# THE MICHIGAN FARMER,

A WEEKLY JOURNAL OF AFFAIRS

Relating to the Farm, the Garden, and the Household.

NEW SERIES.

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#### The Michigan Farmer, R. F. JOHNSTONE, EDITOR.

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# The Farm.

# The New York State Agricultural Col-

We have recently received a pamphlet containing the "charter, ordinance course of studies" of the New York Agricultural College. The organization and plan of such an institution possesses, as a matter of course, much interest for the readers of the FARMER, and we have examined with other states as well as in their own. It will great attention the programme which has been laid down as well as the system of or- and control of the New York Institution is ganization which has been adopted. There is placed in the hands of parties who are not can learn something. Their system of or. perience and acquaintance with agriculture, ganization is good, but the programme of render them competent trustees, and able to students, is like all those published in con- suggest, to plan and to execute whatever nection with the organization of agricultur- designs may be adopted to render the institual schools, and of course will probably be tion efficient for the purposes for which it is pruned and excised, whenever the school to be used. gets into operation, if practical men take hold of the matter, and are unwilling to have such division of their labors is another important an institution of learning be under the im- subject which must not be overlooked. Beputation of being a thing of mere false pre- sides the Chairman, Secretary and Treasurer,

ricultural College was passed in 1853, and tending to the general business of the instiprovided for the formation of a corporation tution at all times, a finance committee of in the usual manner, under the general sta- three of its members, who control its income tute for the incorporation of schools and and the payments; a building committee academies. It provided also that the farm which takes charge of all erections, and a and grounds should not be less than three farm committee, who are present to aid, counhundred acres. The plan of instruction sel and advise, with the president and faculwas to embrace the following branches of ty, in relation to the whole management of knowledge: "Practical and scientific agri- the landed estate and its improvement. How culture, chemistry and its manipulations, so simple yet how efficient is all this arrangefar as may be usefully connected with agricul- ment! and how satisfactory it must be to the ture; mathematics and mechanics; surveying farmers of New York to be aware that the and engineering, geology and botany; the control of such an institution is not taken out yearling, being but 13 months old; but is His handling quality is of the first rate order, practical management of the farm, of the of their hands, and put into those of law- promising in all her points to make a most ex- and his skin is as loose on him as though he dairy, of the various kinds of live stock, and yers, ministers, doctors or other parties who cellent cow. also such other branches of knowledge as have neither experience, knowledge, judgment, may be deemed useful and proper."

In 1857 an amendment act was passed, authorizing the increasing of the number of authorizing the increasing of the number of the first class of citizens for whose benefit the is now fast recovering. He has the fine bright red color of the Grand Duke family, as fit to be the progenitor of a herd.

We notice that this organization has not the been set back some by a fit of sickness, but is now fast recovering. He has the fine was selected by Mr. L. H. Jones, as a dam that was fit to be the progenitor of a herd.

Shorthorn will do? After an examination of Shorthorn will do? Short probably found that the responsibilities incident to the successful prosecution of the colricultural class is not ignored in its managefrom which he is descended on the side of

The heifer calf, Bright Eyes, is roan of redent to the successful prosecution of the col-lege occupied more time than could be shar-ment, they are fully represented by some of his dam. He has also the points about him markable promise, a full sister to Western. ed by any two or three persons, themselves the most prominent of their number; they of a first class animal, though at present his imperfectly acquainted with the necessities do not feel that their sons are to be taught condition is far from being first rate. Those

constantly arising as the experiment was pushed into operation.

ing for the loan by the State of forty thousand dollars to the institution, for the time of twenty-one years, without interest, on the condition that the land which had been purchased by a subscription of a like amount, should be martgaged to the State as security for the money.

The Trustees, having made the location at Ovid, Seneca county, the citizens of which any idea of astonishing the farmers by a vicinity had subscribed liberally, a tract of display of mere clap-trap. They have sought even hundred acres.

The features, however, which strike us in this record of the proceedings of the New York Agricultural College is the practical manner in which the Trustees have undertaken the business, and subdivided and attended to the labor. In the first place there is now a board of seventeen trustees. These trustees include a number of the citizens of the state, distinguished for their practical acquaintance, not only with agriculture in all its branches, but also with the interests their advice and experience, to provide for which are most to be promoted by such an institution; amongst them we find the names of WILLIAM KELLEY of Rhinebeck, ex-president of the State Agricultural Society, and vide the stock, the implements, the seeds or one of the best breeders of stock and extensive farmers on the Hudson River; of HENRY WAGER, likewise a distinguished agriculturist; on successfully than a steam engine without of B. P. Johnson of Albany, the well-known and experienced Secretary of the State Agricultural Society; of E. P. PRENTICE of adopted, and once adopted they have been Albany, whose long experience with Short- carried out with order and economy. hons and Ayrshires has made him known everywhere among breeders; of George CHEEVER of Saratoga, a practical farmer of the highest order; of ALEXANDER THOMPSON of Aurora, an agriculturist and a man of rare esting as the organization. Horticultural taste, and experience; of M. R. PATRICK, whose practical mechanical acquirements have long been used to give order and design to the annual State exhibitions, and which have made him necessary in the presidency of the college, to which he has been lately appointed; of JAMES O. SHELpon of Geneva, whose experience in all that relates to agriculture is well known. -There are many others among the seventeen, more prominent as public men, and equally well known as citizens interested in agricultural pursuits, but those we have cited are well known as prominent agriculturists in thus be seen that the management, conduct much in both, from which our own citizens only interested in its success, but whose ex-

there is an executive committee of five mem-The act incorporating the New York Ag- bers, to which is committed the duties of at-

tution in whose management, only profession- look at his on page 306 of the FARMER. al men are permitted to have control. The farmers as a class are not tabooed, and in remere political hobby, in which they have no interests, and no concern. The Trustees of the New York State College, being themselves practical men, have adopted common aim. They have not had before their eyes, and was secured containing altogether about for the experience they needed amongst themselves, and they have selected and used the best material they could find, taking care that that material was fitted for the purposes for which it was needed. Thus it will be seen that their building committee was formed so as to be in constant and steady relation with the architect and with the executive board, hence their buildings have been so far well built.-Their farm committee was at all times on hand to give the interests involved in the improvement of the estate, the whole benefit of the daily wants which must be constantly accruing, and to see that the seasons were not lost, because means were not on hand to proother articles, which are neccessities, and without which a farm can be no more carried a supply of fuel. Hence the farm operations have been well considered, before being

> The programme of studies, and the proposed treatment of the students in the educational department, we shall leave for another chapter, which we hope to make as inter-

#### Live Stock in Western Washtenaw.

Our readers will recollect that in the FARM-ER of September 24th, we not only published the pedigrees of a number of Shorthorn stock brought into the vicinity of Dexter, but also gave the history of the purchase and the names of the purchasers, stating at the descent. We thought it probable that this stock would have been shown at the State Fair, but the long journey from Central Ohio, and the late period at which the animals arrived, prevented their appearance; hence we did not see them. Last week, however, we took the occasion of having some business near Dexter, to pay the owner of this stock visit and to examine it.

The first herd we visited was that of S. W. Dexter. The Ohio stock in this herd consisted of four, but the bull calf, Young America, died a few weeks since, and it now contains only Victoria, Victoria 2d and Florence.

enough of her quality.

Victoria 2d is out of the imported cow in calf to imported Starlight.

practical or scientific agriculture at an insti- who feel curious about a good pedigree should

Amongst the stock on this farm, we saw a number of grades from old Guelph. All turn they do not look upon the thing as a these animals were remarkable for their early maturity and quick fattening qualities. A pair of steers was in one of the yards, two years old past, and valued at \$88, and we besense means to attain the end at which they York. There is not a heifer or steer, in which there is a trace of Guelph blood, that does not ed his stock of Shorthorns by the addition of fattening beast. The blood of this bull of Milford Centre, Ohio; one of these heifers should be preserved, and we think that a cross even upon such cows as Victoria and Victoria 2d, would not by any means depreciate the value of their calves.

Sirloin, we see, remains in these stables yet, and also a fine son of his, out of Fanny, by Guelph. Sirloin, we believe, is for sale. He is a grand bull for the quality of his stock and for their early and rapid growth. All his calves that we have seen prove his value. His son, Bellville, is a grandson of Guelph, and ought to be a first class animal. The union of the blood of two such animals for size, quality and early maturity, should ensure a stockgetter of more than ordinary value, and we hope he may fall into hands that will retain him in this State. This calf is now but six months old. Another bull calf of the same age is Fortune, a handsome red roan; this calf differs from Bellville by being six weeks older, and having a cross of Archer's blood, his grandam being by that well known bull of Mr. Rotch, No. 10 of the American Herd

The next visit we made was to the yards of the Messrs. Arnold, where we were most which has evidently great constitution, may agreeably surprised by the examination of the two year old bull Western. He has a no mistake. In fact he is about as handsome alone worth a trip to see. The more he is and remains still, with his head up, is not seen same time the quality of the stock and its called roan, but the white is so clear, and the in this point. Her head, shoulders, and gendark reddish brown is so well marked, and of so deep a tinge, that the word "roan" does not correctly express his true colors. We saw his sire, Starlight, at the Ohio State Fair when held at Sandusky, and considered him then the most stylish bull we had ever seen. Western possesses a very great likeness to him. His head is almost perfection, broad, in front, clean under chops, tapering down to a This price is a fair measure of the difference yellow muzzle, so clean and fine that it would not seem out of place to have him drink out stock of the country, of which numbers of two of a silver cup; his eyes clear, large, full and year old heifers can be purchased for prices mild, and his horns and ears, as fine as his muzzle. His head is well set on a neck as Old Victoria is a light roan cow, now ten fine, as well proportioned, and as elegant as 1853. She is a first class animal, and the examining committee so pronounced her when
head, without rendering it heavy, or disprothey awarded her the first premium at the portioned. The shoulder is broad and the amining committee so pronounced her when head, without rendering it heavy, or disprothey awarded her the first premium at the portioned. The shoulder is broad, and the late State Fair. She is not only good in all chest wide and deep. The crops and ribs beher points, but is most excellent as a handler; hind the shoulder were full and well rounded whilst her progeny, of some of which we shall have occasion to speak, is alone evidence the barrel handsomely rounded and slightly enough of her quality.

The victoria cow the girth to the flank. The tapering from the girth to the flank. The hind quarters square, full, and remarkably Victoria, and was sired by imported Marquis. well shaped both over the back, and across She is red and white in color; but hardly so the buttocks. The gambrils flat and full, and very fine in all points as her dam. She is the legs clean in bone, and fine in shape, and well proportioned. Western will not be three Florence is a roan heifer, of an entirely years old till next March, but though not in different family from either of the above, be. fair keeping condition, he will weigh at the ing out of the imported cow Stapleton Lass, present time full 1,800 pounds, and he and by Rocket, an imported bull. She is a can look over a six feet fence with all ease was a calf. He must prove a most valuable that most celebrated of English bulls, the The bull Economy, which Mr. Jones has

The bull Economy, which Mr. Jones has

This bull is a calf of the imported to this that there is also a fine home bred nor time to attend to the interests involved. bought from Mr. Rotch, of Otsego, N. Y., State. This bull is a calf of the imported to this that there is also a fine hor In 1857 an amendment act was passed, We notice that this organization has had the is also thirteen months of age. He has cow Victoria, which we have noticed above as stock from Guelph and Sirioin to breed from,

calf is likewise most creditable to the dam. and to her owner.

Here, also, we find a number of grades both heifers and steers, the progeny of Guelph. which are as readily to be picked out as though they were a different race from the more common stock.

Mr. Henry Warner, whose purchase of lieve sold at that price to be taken to New Gipsey from the herd of Mr. Crippen, we noticed about two years ago, has since increasexhibit superior qualities and good form as a two heifers from the herd of James Fullington has had a calf to imported Starlight, and both are again in calf to the same bull. These heifers are each of the highest value as being of the first quality to lay the foundation of a herd, and as being both in pedigree and quality unexceptionable. The oldest heifer is Strawberry 2d, roan in color, and now three years old. She is from a cow called Strawberry that was imported in 1853, and her sire was imported Marquis. When bought, this heifer was considered the choice animal of the herd from which she was selected .-She has all the best qualities of the improved Shorthorn well bred in, and in quality is not to be excelled. As she is of a different family, she will cross well with Western, and we expect to find her family making quite an improvement in this section of the State.

Strawberry 3d is also a heifer from imported Strawberry, but sired by imported Starlight. She is only as yet a year and a half old, but is in calf to Starlight also. This is pretty close breeding, but we think, with care in not running the in and-in principle any farther, but selecting the stock to breed from, this concentration of the Starlight blood,

prove a success. Mr. Warner has Gipsey, also, which is in beauty and a value about which there can be calf to Sirloin, and also the yearling heifer of which we spoke a year ago, as a calf from Oran animal, of his age as can be found, and is pheus. The heifer is turning out well, and from the loin forward is almost perfect, with examined and looked at, the better he is liked. all the excellent quality of the sire in the hide Such a picture, when he is left to stand alone, and hair; she drops a little on the rump, and is not as well filled out there as she promised every day in Michigan. In the first place, to be a year ago, but a cross on Western will the color of this bull is most striking; he is probably bring her calves up to the standard eral form, as well as her quality, are unexceptionable, and the cross of Orpheus blood with that of Starlight and Western must prove to be good, if there is any fact in the

axiom that "like begets like." Here also we found a two year old white grade heiter sired by Guelph, which had just been sold to Heath, the drover, for \$55 .between a well bred animal and the common ranging from \$15 to \$20 per head, the owners considering them well sold at that rate.

Our readers will note that there is at the

present time in and near Dexter, the foundation laid for herds of Shorthor cured without a large investment of capital and a considerable expenditure of time and labor in their selection and importation. It brings with her a pedigree that traces back to the very best animals that were used by the best breeders to improve the Shorthorns in England. Acmon, Young Rockingham, and Denton are names well known to every Eng-

lish and American breeder of reputation.

The Florence heifer brings in another family, but fully equal in all its branches to that of Victoria. The Strawberry family brings in the blood of Wiseman, an English bull of the highest standing as a stockgetter, with a faultless "Maiden" descent on the female side. Again we have the Duke of Gloster blood, through Gipsey's heifer from Orpheus, and the Grand Duke blood, with a cross from ed Shorthorn tribe of cattle, will not admit

Advice to the Editor.

Mr. Johnstons, I want to talk to you a little while about some points in regard to your paper, and to give you some advice which will may-be have some effect on the popularity of the FARMER, especially in our neighborhood; that is, if you see fit to hear to what I have to say. I don't hardly know how to get at what I want to say now, and perhaps I can't do it better than by repeating the remarks made by neighbor Smith the other day when I asked him to subscribe with me for next year:

"Why, neighbor Blades," says he, "that ain't the sort of paper we want here. It ain't suited to our way of farming at all. Now you know I've had the reading of yours all summer, and I can't see that I'm a bit better off than if I hadn't seen it. The fact is the editor don't understand our ways, and he writes about things that we don't know nothing of. My pigs and cattle ain't one bit better, nor my crops neither, for all the reading I've had out of the FARMER the past six months. I've been taking the New York Ledger now for two years, and my boys and girls won't give that up for any farming paper. I get more knowledge than I can use on my hundred acres, out of the agricultural column of our county paper every week, and as for the Michigan Farmer, all I've got to say is, there is too much high farming in it; it is going ahead too fast for the times and com mon folks like us won't have any use for it for fifty years, at least."

That is the sum and substance of Smith's remarks to me, Mr. Editor; and, as nigh as I can find out, our whole neighborhood are pretty much in the same way of thinking. You are all the time praising up high farming, and relating experiments that common farmers like us would never think of trying. That is the great reason your paper is not popular here. You don't somehow seem to get hold of us, or to have an idea of what sort of a paper would suit us. And another thing; when of what you see, it is always among the brag farmers that you go, and about their great crops and their fine stock that you write.-Ornary folks like us don't even get winked at. Perhaps you will say we are doing nothing worth winking at. That may be, according to the thinking of the great cattle and horse men, but we have our own opinions of ourselves, and would like to be acknowledged as part of the world as much as anybody.-Now I know of three of your papers that are taken within six miles of me, and in that six miles there is a pretty good sprinkling of farmers, such as they are, but not one of them has got what you call an improved hog, or horse, or critter, but me; and I've got a grade Short horned. Durham bull calf that is a beauty, and that I would like to have you see; but what I was going to say is, that if your paper was of the right sort, and could come down to us as we are, you might just as well have a dozen subscribers here as three. For my own part I like it well enough, in the main, and now that I am going into blooded stock I shall appreciate it better than ever. But my advice is for you to visit the rural districts more, and see how people live and what they are doing, and then you will know what to write about to suit them and make your paper popular. It is true you will not find any great improvements here to tell of; we are all home sort of folks, and havn't got into the way of building costly barns and using newfangled implements; the cattle are all natives, except my calf, and the people too, for that matter; and we don't pretend to set ourselves up to enlighten the world. But when you come out here you will see what kind of a paper we want. As Smith says, we want something that we can understand, and unless you come down to us we shall disrepute the FARMER altogether, and send east for our literature.

Yours, in respect, TIMOTHY BLADES.

Blackberry Corners, Dec., 1859 P.S.-As soon as I can get my calf's pedigree made out correct, I shall send it for publication in the FARMER. There seems to be a little difficulty on the dam's side. She is a native, and its hard finding out her ancestors. There won't be much trouble about the sire, I think; though it does seem to me that he's a mighty long-horned brute to have the name of short horn. Any way, come and see me and the calf.

When you come out, inquire for Uncle Tim. That's what I'm called,

[While we are very grateful for the above advice, we are sorry that we have not been

#### Agricultural Education.

BY PROP. JOHN A. PORTER OF YALE COLL

The cultivation of the soil is the great occupation of the American people. Our agriculture employs more labor and more capital than all other departments of industry combined. Under these circumstances it is a remarkable, and at first sight an unaccountable fact, that there is among us an almost total deficiency of agricultural education. Our condition in this respect presents a contrast to that of other countries, which have reached the same grade of civilization as ourselves. France has its agricultural school in every department, Germany in almost every province, and England a source of the most enlightened practice in the careful study which every large land holder gives to the cultivaita euterprise in practical art, and its pre-eminence in general education, is, in this respect of agricultural science, behind them all.

It would seem, at first sight, that such a state of things must have its origin either in agricultural subjects, or in its already accomties incidental to the dissemmination of such tural pursuits.

In view of the obvious relations of the neu tral sciences to agriculture, and the rapid strides which they have made in advance during the last score of years, the first of these suppositions is extremely improbable. It can hardly be that accumulations of knowledge have not been realized in Chemisty, Geology, and Vegetable and Animal Physiology, of the most important bearing on the culture of the soil. So obviously must this be the fact in the case of chemical science, that the mind can scarcely fail to be satisfied of the truth without descending to those particulars which are at hand, for complete demonstration. Agriculture is, in fact, chemistry on you are traveling about the State and writing a large scale—the transformation of earth, and air, and water, into bread, and meat, and the material of clothing; and it is scarcely possible that the results of the careful study of the laws of transformation on a small scale, which has been made in our laborato ries, will not throw some light on the chemical work on a large scale, which is taking place in the great laboratory of the soil,

It is certain that they have already done so, and that there are principles of chemical science already established, which, if universally diffused and applied, would suffice to increase, in an immense degree, the agricultural wealth of the world. As far, then, as the nat ural sciences are concerned, in their relatiou to agriculture, it may be confidently asserted that the deficiency of instruction among us is not a consequence of lack of knowledge to be

Naither is this the case with those special ciences which have grown up within the field of agriculture itself, as a direct consequence of its practices and its necessities. On the principles involved in the breeding and rearing of animals, in the propagation of plants in the production and perpetuation of varieties, on the diseases of plants and animals, on manuring and drainage, and irrigation, there are vast stores of information which await the more thorough and systematic diffusion which the press, with all its power and effi-ciency, has not as yet accomplished.

And so, with reference to the care o crops and the feeding of animals; the management of the dairy and a thousand other details of the farm practice which have not as yet taken the form of science, there is an which would be of immense value to the country.

It is not, then, for lack of existent knowledge, either of science applied to agriculture or of special agricultural science, or of superiority on the part of individuals in the details of farming, that there is nothing like a system of agricultural education among us.

The second supposition of an already ac complished diffusion of the knowledge which exists on these subjects, it is scarcely worth while to consider. Once fertile farms all over our State are becoming deserts for the want of the simplest applications to the soil. Orchards in every part of the country waste the precious juices of the earth in the production of worthless fruit, for lack of the grafting which would convert the same material of nature into the most luscious varieties. Valueless breeds of animals are everyand suit the capacity of the farmers around Blackberry Corners, and assure "Uncle Tim" that we shall try to get a sight at the rural district, including himself Mr. Stunted cattle crop the rural district, including himself, Mr. a scanty sustenance of thistles and weeds while we pass on to new acres and repeat the Smith and that calf, during the coming season.

Smith and that calf, during the coming season.

Ep.1

Smith and that calf, during the coming season.

The coming season are said repeat the barbarous process of grinding up God's food-them in Texas, and have more orders now tious grasses at no greater cost to the soil or making machine into bread.

its owner. Our barn-yards fairly shiver with the misery of poor dumb beasts who, in seem-production, instead of allowing machinery to ing luxury of cruelty, are tertured every winter rattle itself to ruin by running empty, to an expense of food greater than would be ity, and to obtain from it the largest possible required to house them in comfort. So long product. In a country which has reached as this is the condition of our agriculture, notwithstanding the immense improvement which has been realized, both in farming and stockraising, within the past few years, it can hardly be maintained that our lack of systematic agricultural education finds its pleasant ex-planation in the general enlightenment of those engaged in agricultural pursuits.

Neither is this deficiency a consequence of any especial difficulty inherent in the diffusion of knowledge among this class of our sts, a dissemination of the elements of agrition of the soil. Our own country, with all cultural science might readily be accomplished, and higher institutions of learning would stand ready to complete the education thus on them for such instruction.

An explanation of the destitution of agrithe lack of knowledge to be communicated on cultural education among us, is rather to be sought in the history of our agriculture itself, plished diffusion, or in some especial difficult than in any of the directions which have been above indicated. It is to be found in knowledge among those engaged in agricul- the position which we have occupied as the occupants of a country comparatively new, rather than in any lack of importance of such education, or any difficulty in its accomplishment. Our fathers found it more profitable to bring new lands under cultivation than to maintain the fertility of the old. This course is still most profitable on the cheap and fertile soils of the West, and the process of exhaustion is there in full tide of operation. Agrioulture, under these circumstances, is an extremely simple process, consisting in little more than a transfer from field to market of the accumulated treasures of the soil. It needs as little help of science as the excavation of a guano island, or the plunder of an oyster bed. Our virgin soils are practically great grain deposits, bearing an analogy by no eans remote to the coal-measures of an earlier geologic period. As long as such deposits exist, to be mined for wheat and corn, it is not strange that little occasion is felt for agricultural science. These accumulated treas ures of the soil are the reward of the explorer. They are the prizes which nature offers to the hardy pioneer, who, with axe in hand and plow to follow, goes forth to battle with hardship, and subdue the wilderness. The older States of our country are long pest this period. The accumulated stores of nature eing exhausted, agriculture has come to sustain, with them, a much nearer analogy to a process of manufacture than one of mere excavation. And it is a process in which it is quite as essential that the raw material shall be adequately supplied, as in the production of broadcloths or calicoes. Wheat and beef carnot be made out of air alone, and he who would produce them must furnish to the great manufacturing establishment of the soil the proper materials for conversion. Our agriculture is palsied by the failure to perceive this truth. We persist in the absurd conviction that our worn-out New England soil is an amiable mother, who only wants the flattery of occasional tickling with the plow and harrow, to induce her to make crops for us out of nothing, or at least to make for us large crops out of small materials.

The fact is, however, indisputable, notwithstanding our blindness, that agricultural production is reduced with us to a simple process of manufacture, in which we get back in the soil. And this is the normal condition amount of knowledge existent in the minds of the best cultivators, the dissemination of tion at which it must everywhere finally arrive, when there are no more new lands to be exhausted. It is a condition of perpetual circulation, and not of continuous flow in one direction. The soil is the ocean, the crop is the rising cloud and vapor, the products of animal and vegetable decay are the rivers emptying again into the sea. So long as the rivers run back to their original source, their waters may rise again to commence a new circulation. If this return ceases, the sea itself must in time run dry.

The product of the earth is, within certain al which is furnished it. The machine has not been over-tasked; its unexerted powers, on the contrary are vastly greater than those it has been called on to employ. It stands ready to do fourfold its accustomed work, if

by exposure to the rigors of our climate, at work it, on the other hand, to its full capacthe stage of development which ours has, and where the soil has become so expensive, it is the plain diotate of economy to proceed according to the same principle.

But for this high farming, all of the helps of science are required. Science may aid to some extent in the crop-mining of a new country-in the crop-making of an old country it is indispensable. We need it, to cite a few instances in addition to those which have already been suggested, in drainage, in irrigapeople. Wherever the common school ex- tion, in the use of the fertilizing material with which nature has supplied us, and in the reclamation of waste lands. Our muck swamps are basins which God set long ago among our mountains to catch the wasting commenced, in proportion to the demand up- fertility of their declivities and preserve them for the use of later generations. Science must tell us how to unfold these vest ments and re-array our hills in beauty and fertility.
Our salt marshes are great water-logged

prairies, whose arteries need but to be throttled with dykes and humored by tide-gates to convert them into the most fertile soils of the world. Science must tell us how this result is best to be accomplished.

Our mountain streams hurry away to the sea, bearing with them a priceless freight of fertility which they have extracted from the orystalline masses of our primitive rocks.-Science must teach us how they shall best he distributed over the land and woven into tender and nutritious grasses, instead of pouring themselves into the ocean, and minstering to the growth of the fuci and algor of a marine vegetation.

Our wide sand plains, with oaks growing on them and flaunting in our faces the evilife, are constant reminders of a gross ignorance which stands in need of that simple help from science, which shall inform us what grasses will be the readiest to lift their spears there, in a warfare with the desert, or what other plants will serve as the pioneers of a successful vegetation. And we need science not alone here in the original subjugation of unproductive soils, but at every step of their future cultivation. For in a comparatively thickly settled country like our own, agriculture must consist every year more and more in the stock raising, and dairy farming, and market gardening, and fruit growing, which is to supply large towns with the material of their consumption. It must run every year more and more into the refinements of horticulture, with its hot beds and its forcing houses, its various devices of propagation and multiplication, and its manifold appliances, for promoting healthy growth and controlling

But there is little question among intelli gent men as to the need. A more difficult question is how the want of a generally diffused knowledge is to be supplied. The press does much, but by no means all that is required. The contact of man with man, and of mind with mind, is necessary to inspire the onthusiasm which is essential to a rapid pro-

The introduction of books on clementary cience into our common schools would be a great step in advance, but here again there would be the absence of that contact of the man of knowledge with the men who need it, which is essential to the highest success.

Shall we wait for the establishment by government of great agricultural institutions, modified form just what we contribute to similar to those of continental Europe? Such institutions are among the most obvious and essential wants of our time, but a public and general opinion of their utility and necessity must be created, before either our State or national governments will seriously consider their establishment, Shall we await the results of private enterprise or beneficence in the creation of agricultural institutions with their model farms and apparatus of instruction, and their corps of professors, exclusively devoted to the business of instruction?-For these also we should have long to wait, not so much because of the want of liberality among those who have the means to endow such institutions, as for the lack of clear conviction as yet of their utility, and the really praclimits, in direct proportion to the raw materilimits, in din direct proportion to the raw materilimits, in direct proporti

Cashmere Goats.

A company was organized in Logac county, several years ago, to purchase cashmere goats. An importation was made, and now the raw material is only supplied. But in- the company have made a disposition of some stead of furnishing it with the material for of the increase. Mr. G. W. Ogden, of Fathan it can possibly fill .- Ohio Farmer.

Economy of Steamed Food for Cattle.

EDITOR FARMER:—I have seen much lately on saving fodder, and asking for information. Experience has long since taught me the importance of cooking food for cattle. Two or three years ago I tried an experiment with fatting cattle. I weighed three cows, and then fed them for twenty-one days, one quart of fine meal made into porridge and poured boiling hot on their hay in a tight box. This was given to them warm twice a day. The result of this feeding was that the two quarts of meal per day cooked, produced about double the amount of flesh that four quarts of dry meal did.

I have kept a milk dairy most of the time

for ten or twelve years, and have generally cooked feed of roots, meal, &c., in a sixtygallon kettle set in an arch in a small building about seventy-five feet from the barn, but have always found it a great deal of work to carry so much food back and forth. This fall I covered my kettle with a board cover, put gas pipe from the kettle to the barn, laid the pipe in a box made of fence boards, filled the box with sawdust and put it about two feet under ground. Then I made a tight box in my barn that will hold enough to feed all my cattle and horses. I put the pipe into this box near the bottom, letting it run the whole length, and drilled a few small holes through it so as to distribute the steam equally through the box. I cut my hay, straw, roots, pumpkins, &c., the former with a straw cutter, and the latter with a spade or shovel on the floor, and sprinkle over what bran or meal I wish to feed, and then shovel all into the box, and let them steam together. I have had this in operation about six weeks, and am well pleased with it. I have not yet tried any experiments, and can only speak from general impressions, but think it a saving of work and fodder. It dence of their capacity to sustain vegetable cost me to fit it up, from fifteen to twenty dollars.

I am keeping thirty-six head of cattle, and

three horses. They are all kept in a warm, convenient stable. They are about twothirds cows, giving milk and fatting cattle: the balance young cattle. We feed them steamed food twice a day, warm from the box, and a little dry hay or straw night and morning, and give them a good bed of leaves to sleep on. They are quiet and apparently happy, and look well.

Horse or water power to cut feed might be a saving of time, but we have not got it, and do not find it very hard work to cut it by hand. One man cuts and prepares the feed, lets out the cattle to water, cleans the stables, puts up the cattle and feeds and curries them all off every day, and that occupies about one-half of each day.

I have not tried steam on sound, hard corn. My corn was hurt badly with the frost, and was cut up immediately. It was not fit to grind. We have steamed that and fed it with gord success, both to fatting hogs and cattle. We also find that cutting oats in the bundle, and steaming them for horses is a very conomical way of feeding.

If time and circumstances permit, I hope to be able to make some experiments in feeding cooked food and dry food, and if I do I will let you know the result.

M. HEYDENBURK. Kalamasoo, Dec. 8, 1859.

#### HOME NOTES.

Profitable Farming.

Mr. Asa Chesley raised and harvested, the present season, from five acres of land on his ty, five hundred and eighty-six bushels and sixteen pounds of shelled corn. The net profits of the crop were \$225.75 .- Adrian Watchtower, Dec. 1.

Erastus Tracy of this township raised sine hundred bushels of corn upon twelve acres of land, the past season. If there is another twelve acres of land in St. Joseph county, which has done as well this year, we should like to hear of it .- Constantine Mercury.

A large yield of Corn.

Mr. Daniel Warring of this town, measured off one acre from his field of corn the present season, and found it to have yielded one unfavorable season, accompanied with frosts every month, the average yield of corn exceeds that known in this section for many years .- Tecumseh Herald.

Mule Sales. Mr. Isaac S. Irvine, of Madison, Ky., sold a few days ago to McCormick & Lackey, of Garrard; 56 sucking mule colts, at \$82,80 per animals at present, that the company received at \$120 per head; Mr. Frank Massie, of Bourbon, sold to Joseph Redman, of the same county, 29 yearlings, (second rate,) at \$77,50 per head.—Okio Farmer.

## The Garden & Orchard.

Our Surplus Fruits: Where Will They Find a Market?

In the early settlement of our State many persons whose tastes would have led them into the cultivation of fruit on an extensive scale, with a view to the market, were deterred by the reflection that others, also, would plant a sufficiency for their own purposes, and that, probably, before they could get their orchards fully into bearing, fruit would become a drug in the market from over-supply. Indeed, so general has been this feeling, that, within the last four or five years, the writer has frequently heard the query,-What do you expect to do with all your fruit, when your orchards are once in bearing? More recently, however, the fears of such querists seem to have been set at rest.

The opening of western railroads, and the rapid settlement of the great Mississippi valley, have made Chicago a great distributing point, easily accessible from all parts of our State, and where our fruits seldom fail to find a ready and profitable market. Heretofore the permanency of this demand may have, properly, been considered a matter of doubt, from the apprehension that the more contiguous regions of Indiana, Illinois, Wisconsin and Iowa would soon produce an adequate supply; but the experience of the last few years seems to have established the fact, that we have comparatively little to fear in this direction; while the restless avalanche of settlers, so rapidly inundating our western prairies, furnishes a sufficient answer to the query at the head of this article.

In addition to the western demand, an extensive market for our surplus fruits is rapidly growing up in the mining regions of our Upper Peninsula ;-a region which, from our contiguous location, no less than from intimate political association, will naturally look to us fer a supply.

With even these demands upon our productive powers, it is believed that we may continue to plant with no fears of an over supply: but, from the natural laws of trade another channel has more recently been thrown open, which, apparently, offers to the fruit dealer a broad and promising, although yet untried field. I allude to the direct trade between the lake ports and Europe. In England, if we except the fruits grown upon the walls and espaliers of the rich, very few apples or pears are grown, beyond a few varieties solely adapted to cooking. P. Barry, of Rochester, N. Y., while on a visit to Europe, in writing to the Genesee Farmer, under date of Dec. 14th, 1848, remarks as follows:- "Many of the apples I see here cried up as 'nice American apples,' 'beautiful A merican apples,' &c., would scarcely sell at all in our market, yet they are sold here at three to six cents each."

"The English people have tairiy given up raising apples for market, unless it be Codlins, &c., that come in early for cooking, and Beaufins, &c., for drying. They see it will be impossible for them to compete with American orchardists. Yesterday I examined two or three hundred varieties, in the fruit rooms of the London Horticultural Society, and among them all there was not a single large clear colored, fine looking specimen. One would suppose, at first sight, that they were all windfalls, gathered from under the trees last August. The Roxbury Russet, Fall Pippin, and Rhode Island Greening, were ill-shaped and russeted, which may be referamong the best specimens, and they were not half the size we grow them. The most esteemed varieties pointed out to me by Mr. Thompson, such as Pearson's Plate, Warmsley Pippin, Pomme Royal, (not our Pomme Royal,) Golden Harvey, Stunner Pippin, &c., are small, inferior looking things,-in size from that of a small Pomme Gris to that of a Siberian Crab,-but they are generally or less russeted and rough. Even the leaves harder and richer then ours. The Newtown Pippin and Roxbury Russet come nearer the English taste than any varieties we cultivate. I had some Northern Spy and Melon with Yet in our neighborhood, near our own me, that I have here now in London, in fine condition. They have elicited the admiration of all who have seen them. There are, in-Northern Spy may be sent to Covent Gar. being knobby and actually cracking, which in the market here now, are from France or the Island of Jersey." \* \* \*

cents each. If we ever succeed in raising one lot of a dozen specimens was free from pears beyond what may be required for home spots and blemishes, and these too selected

good prices here."

the seaboard, on account of the great risk be known. of injury from rehandling; while the scarcity of fruit in that region has doubtless been, to with the growing up of a direct trade from our lake ports to Europe, we have now the means of shipping fruits across the Atlantic, with less risk of damage than would be involved in sending, by the ordinary route, to New York; and, probably, with but slightly increased cost; while the facility, cheapness and high degree of perfection with which fruits are produced here, as compared with any other source of European supply, will, so many different positions as the last. Benrdoubtless, amply remunerate us for any additional expense of transportation.

Under this state of affairs, it is reasonable to conclude that the opening of a trade with England, in this commodity, is merely a question of supply and demand; and, consequently that our surplus will tend in that direction whenever it is thoroughly understood to present a more promising market than the West.

In the solution of this question, Detroit, as the natural commercial emporium of our State, has a direct interest. In the fruit trade, which is believed to be little, if any, beneath the wheat trade in importance; while, unlike that, it seems destined to a rapid increase; Detroit has, hitherto, done little or nothing beyond the supply of its own local wants; while the entire traffic has been, by her supineness, allowed to centre at Chicago. In the opening for the new outlet for this trade, however, Detroit would be possessed of many and manifest advantages over any other more western city; and should she fail to secure the control of it, the failure may fairly be attributed to that lack of enterprise which is, not unfrequently, charged upon her in connection with other matters.

T. T. LYON. Plymouth, December 5th, 1850.

#### Experience with Pears.

In the November number of the Magazine of Horticulture, Mr. Hovey gives his experience with pears the past season, and

"The past season has been a trying one, and we have not the time to review all its changes here. Frosty, cool, dry and windy, trees have in almost every month been subject to injury. The first great source of trouble was the late cold of May 16th, when the temperature fell to 32 deg., with a very heavy white frost, which undoubtedly caused the falling of the entire blossoms of some pears, and the partial loss of others. Similar late frosts our variable climate is subject to, and therefore the cultivator in exposed places will know what kinds to rely upon, by knowing such as escaped this ordeal. Such as suffered most were the Glout Morceau, Beurre Langlier, Flemish Beauty, and Simulle. Those which went through it without any injury, were the Swan's Orange, Lodge, Bartlett, Urbaniste, Dunmore, De Sorlus, Merriam, Andrews, Alexandrina, Buerre Clairgeau, Buffum, Beurre Robin, Pratt, Hull, Heathcot, Beurre d'Anjou, Duchess, Lawrence, Doyenne, Boussock, &c.

"The cold rains of May were again disasnot set their fruit kindly, and much of it was to be gone over about every ten days." The machine red to this or some other cause. That in most instances it was the long-continued easterly storms seems to be confirmed from the fact that the Louise Bonne, on both light and warm and stiff and heavy soils, were affected alike. Of more than 500 trees particularly examined in these different localities, more than three-quarters of the pears were more of this pear were affected more than usual, and neither looked so vigorous during the summer, nor held on so long in the autumn .grounds, perfectly smooth and fair, though not extra sized, pears of this variety were raised in abundance. Glout Morceau was deed, no such apples to-day in England. The quite as bad or worse; our own specimens den market, just as well as to Fulton or they rarely do. Flemish Beauty was much Washington markets, New York. The pears rougher than usual, and Bartlett was some spotted. Urbaniste, generally one of the smoothest pears, was considerably russeted; "In Covent Garden market, which is head- and we might name other varieties in the quarters for all rare and fine garden com- same way. That all these were generally afmodities, I see fine St. Germains, Marie fected, there is little doubt, for of all the pears Louise, Passe Colmar, Winter Nelis, Beurre from more than twenty-five of the principal Rann, Easter Beurre, &c., sold at 121 to 182 collections exhibited in September, scarcely

consumption, they will find a market and from the very best pears upon trees where every inferior fruit had been thinned out.-Although the above is a statement of The question arises whether all this was the things as they were ten years ago, the state effect of a cold winter, a cold wet soil, the of affairs is believed to be much the same at late frost, or chilly rains? But whether eithe present day. Heretofore, the shipment ther one or all of these, the fact remains, that of fruits in this direction has been limited to these sorts have peculiarities important to

"We now note another class, that never flinched; which neither cold or hot, nor wet a great extent, a check upon the trade; but, or dry weather seemed to harm. These were Swan's Orange, Lawrence, Alexandrina, Dunmore, Beurre Clairgeau, B. Sterckman Lodge, Duchess, and Sheldon. In high, dry loam, with a gravelly subsoil, in black peaty earth, with a clay base, in every part of our Orange was alike large, fair, beautiful and excellent in quality. The Lawrence too was perfect, though we had no bearing trees in re Clairgeau, though apparently a slightly tender tree, carried its fruit perfect through all the vicissitudes of the weather. Sheldon, though a rusty pear, was perfect in form and finely bronzed in the sun. Beurre d'Anjou was unusually good in various localities, high and low, and has established its claims to a place among the hardy, certain pears. Doyenne Boussock has proved a glorious pear; vigorous in habit and rich in foliage, its noble fruit not only set well, grew well and ripened well, but were as fair and beautiful as the Doyenne of olden times, only three times as large. Dunmore was a picture of a productive and handsome pear, with cheeks of vermilion, very large, and of a quality which has not yet been sufficiently appreciated. It is the best of Mr. Knight's seedlings, and one that any pomologist might be proud to raise. These at least-for we have no space to extend the list-can be put down as having no peculiarities worth noticing; are not fastidious as to soil, location or exposure, and therefore worthy the attention of all who wish to grow fine pears, till they learn to grow the capricious sorts.

"Now this information may be neither new nor important to know. Yet we have been twenty-five years in obtaining it; if we could have known it so long ago, it would have saved us, so far as profitable culture is concerned, many hundreds of dollars. This is the knowledge we seek. This alone and care ful study will enable all to obtain these results. They show how very imperfect our knowledge really is; that we judge too hastily and reject too quickly, and often throw aside a valuable fruit because a year or two's experience is not favorable."

#### HORTICULTURAL NOTES.

#### The Delaware Grape.

This variety we note is still a subject of liscus sion among the grape growers. The editor of the Gardener's Monthly has no hesitation in prosoun cing it a "natyve," and adds, "If any one willtake bunches of the Delaware and confine them for a few days in a close box, and then suddenly open the cover in the vicinity of his nasal organ it will be saluted with that peculiar odor which may be classed with the mus-cat, or pole-cat order according to the peculiar taste or prejudice of the duties. To demonstrate this will only require owner; but which is universally suggestive of to have pointed out how it ought to be man-American origin."

#### The Care of a Lawn.

This is neatly illustrated in a remark make by the editor of the Gardener's Monthly, who recent gent, on the Hudson river. He says: "Whoever visits Wodenethe will never forget the lawn. It is kept in order by a horse mower, which goes over trous; what blossoms there were that set, did the whole three acres in about six hours. It has

#### The Concord Grape.

The editor of the Germantown (Pa.) Telegraph more we know of this grape the better we like it; and this appears to be the case with nearly every body. The exceptions are those who have long settled in their minds that the Fox grape, being universally condemned variety, every seedlings possessing any portion of its flavor, must necess rily be worthless. To us and to ninety-nine in hundred, the Fox grape aroma is agreeable, and constitutes one of the most attractive qualities."

#### Cranberries.

The people of Cape Cod are making their fortunes on cranberries. They are converting their from the stalks, and stored in tightly-corked meadows into cranberry fields, and some of them wide-mouthed bottles. Each will thus prehave, it is said, been on a tour this fall to Virginia to examine the Great Dismal Swamp, with a view of ascertaining whether it will answer for the cran-berry culture. The Barnstable Patriot says, "that the cranberry culture yields almost fabulous profit no man can deny; and it seems to be almost universally admitted that no cranberries equal in quality those of Cape Cod."

#### Insects-Chermes.

The currant is subject to a curl or thickening of the leaf in spring, produced by a minute insect called chermes. I have found that by applying air slaked lime around the bushes early in the spent tan around the gooseberry (Houghton's Seedling,) with marked effect, in staying the rav-

#### The Science of Gardening.

si yelxed

THE LEAVES.

(Continued from page 395.) Seeds, as we have before stated, are still nore capable of bearing great heats, and we may further illustrate this by the following tatement of Professor Henslow:

" Sir John Herschel sent some seeds of an Acacia from the Cape of Good Hope, to Captain Smith, of Bedford, with direct that they should be scalded, in order to secure their germination. Captain Smith having presented the Professor with a dozen of these, he subjected them to the following experiments: Two were placed in boiling water had become cool; two were kept at the boiling temperature for one minute and a half; two for three minutes; two for six minutes; and one for fifteen minutes. Some of these were sown immediately, under a hand-glass, in the open border: and the rest were kept hotbed. The following are the results obtained:

Under the hand-glass,

One, boiled for 1% minute, falled.
One 3 minutes came up in 14 days.
One 18 minutes came up in 14 days.
One 0ne, not steeped at all, did not germinate. In the hotbed,— One, boiled for 13% minute, came up in 8 days. One " 15 " " 18 " 12
Two, in boiling water, left to cool 9 "
Two, not steeped 21 " 21 "

"We cannot draw any decided inference from the single seed which was boiled for fifthe rest, as it might have been a bad specito which these seeds were exposed must have tage Gardener.

(To be continued.) tion; whilst it is a very singular fact that they should not have been completely destroyed

mentioned a practice, common in some parts of Spain, of baking corn to a certain extent, asect by which it was liable to be attacked.-Dr. Richardson mentioned that the seeds sold in China for the European market were premade them anxious to prevent their exportation in a state fitted for germination. Upon sowing these seeds, he had, nevertheless, observed some few of them were still capable of xxi, October, 1856, p. 333.)

Though growing plants can bear an elevated temperature without injury, a very different effect is produced upon them by even a lower heat, after they have been separated from their roots. This has to be borne in mind in the drying of potherbs, which, though it is a process very simple, and very important for the winter's supply that it should be conducted correctly, is usually more neglected and more thoughtlessly practiced than any other in the varied range of the gardener's aged. The flavor of almost every potherb arises from an essential oil which it secretes, and this being in the greatest abundance just previously to the opening of its flowers, that is the time which ought to be selected for gathering. Potherbs ought to be dried quickly; because, if left exposed to winds, much of the essential oil evaporates, and destroys it altogether, for nearly every plant no finer show than to see such miniature trees has its peculiar mucor (mould), the food of which is the characteristic oily secretion of the plant on which it vegetates. A dry, brisk heat is therefore desirable. The temperature should be 90 deg.; for if it exceeds this, the ssential oils are apt to burst the integuments of the containing vessels, and to escape. Fortyeight hours, if the heat be kept up steadily, are sufficint to complete the process of drying, The leaves, in which alone the essential oils of potherbs reside, should then be carefully clipped with scissors, not crushed, wide-mouthed bottles. Each will thus preserve its peculiar aroma, not only through the winter, but for years, and be infinitely supe- bearing on the third year after planting; and rior to any specimens producible in the forcing department, for these are unavoidably deficient in flavor.

ure as well as of emitting it, which power of fair to the eye, smoother, and have less imabsorption they principally enjoy during the night. With this view M. Bonnet, of Genot the earliest, is one of the most showy night. With this view M. Bonnet, of Geneva, placed a number of leaves over water, so fruits that can thus be cultivated, and one of as they floated on it, but were not immersed; these dwarfs covered with this magnificently spring, I have entirely succeeded in keeping off this pest. I have also for some years applied spent tan around the gooseberry (Houghton's Seedling,) with marked effect, in staying the ravagen of the gooseberry worm .- Cor. N. E. Farmer, the upper surface on the water, the absorbing ticulturist.

power of the upper surface was to be regarded as the greatest; but if it retained its verdure the longest with the under surface on the water, then the absorbing power of the under surface was to be regarded as the greatest. Some leaves were found to retain their verdure the longest when moistened by the upper surface, and some when moistened by the under surface; and some were altogether indifferent to the mode in which they were applied to the water. But the inference deducible from the whole, and deduced accordingly by Bonnet, was, that the leaves of herbs absorbed moisture chiefly by the under surface. What is the cause of the singular disparity between the absorbing grounds, whether exposed or sheltered, Swan's ter, and left to soak for an hour, until the was surfaces of the leaf of the herb, and of the tree? The physical cause might be the existence of a greater or a smaller mumber of pores found in the leaves of the harb and tree respectively. The chemical cause would be the peculiar degree of affinity existing between the absorbing organs and the fluid absorbed. for three or four days, and then sown in a Duhamel seems to have been content to look to the physical cause merely, regarding the lower surface of the leaf of the tree as being endowed with the greater capacity of absorbing moisture chiefly for the purpose of catching the ascending exhalations which must necessarily come in contact with it as they rise, but which might possibly have escaped it if absorbable only by the upper surface, owing to the increased rapidity of their ascent at an increased elevation; and regarding the upper surface of the leaf of the berb as being enteen minutes having been more retarded than dowed with the greater obsorbing power, owing to its low stature, and to the slow ascent men; but it seems very clear, that the heat of exhalations near the earth .- J., in Cot-

#### Doucain Stock.

The Doucin or Doucain stocks, as they are In pursuance of this subject, at the Bristol interchangeably called care the layered Meeting of the British Association, Mr. Hope branches of a variety of the "Pyrus Malus." As to the nature, habits, and advantages of that stock, the tree is a distinct species of apby exposing it to a temperature of 150 deg., ple, is of medium size, bears small sweet fruit, or upwards, for the purpose of destroying an and reproduces itself from seed: but for ordinary nursery purposes, as we have before said, the layered branches are used as making the best stocks. These stocks and the Paraviously boiled, for the purpose of destroying disc stocks have been used both in France, their vitality, as the jealousy of that people England, and this country, for dwaring the apple tree, and thus bringing numerous sorts within the sphere of a moderate sized garden. The Paradise is used more for producing a bushy-headed dwarf tree, and for bearing a vegetating .- (Edin. New. Phil. Journ., vol. fruit which is higher colored and earlier; while the Doucin is for raising a pyramid or dwarf standard by more careful training.-Lindley says in his "Theory and Practice of Horticulture," p. 354: "In some soils Doucin stock would not succeed for apples," and speaks of the apple on Doucin stock as requiring a loamy or moderately light, but not chalky, soil.

The apple scion is changed in no other respect, either as regards habits of growth, flower, fruit, or quantity produced upon a branch of a given size, except that the tree will bear quicker, is most emphatically dwarfed and its products are of course limited by this diminution in size; while by being trained in-to the pyramidal form, it can be made quite ornamental; and the garlen, not being over-shadowed by the branches of large standards, can be allowed to produce other fruits; and vegetables and flowers can be cultivated to

advantage.

If you are confined to an area of one-tenth of an acre, and wish to have 100 or 200 sam-ples or varieties, and those as fine and fair as possible within that space, we can decidedly recommend the dwarf or pyramid trees. If you wish the orchard for ornament, there is product and for profit, we must suggest that the standard trees, when come into bearing, will produce more fruit per acre, and in the majority of cases of equally fine quality with the dwarfed stock, while the care required in maintaining your orchard in fine condition will be far less than if you have the pruning and care of these pyramids.

Where land is valuable and labor expensive, it is often of consequence to the orchardist to have speedy returns for his money and trouble. In such case the space between his 200 stan-dard apple-trees, unless devoted to other purposes, can be filled with early and showy sorts upon the Doucin stock, which will commence when the standards come into full bearing those can be transplanted or destroyed. We would only recommend the space above stated to be devoted to quite early and quite showy Leaves have the power of absorbing moist- fruit. These early sorts always become

#### FOREIGN AGRICULTURE.

The British Harvest of 1859.

PROM THE LONDON PARMER'S MAGAZINE.

I have been so long honored with space in your valuable magazine for the effusions of privilege as a contibutor, lest I should be Some good barleys were secured—the Fens found to mislead my readers, or fail to contribute aught worth their reading. It has been my custom for several years past to give my views of the harvest, either in prospect or subsequently to its collection. I regret that from various causes my report should have been so long delayed; however, it has enabled me to arrive at a more definite conclusion as to the real facts, upon which it will be my duty and pleasure to report. I shall therefore give a summary of what is so far reported of the crops and produce, taking them collectively, and in order throughout the country, and, if my report does not extend to an unreasonable length, will endeavor to include both Scotland and Ireland.

Taking the harvest generally it has been one of the most expensive ever known, owing to a most abundant crop of straw, a simultaneous ripening, and consequent extraordinary demand of laborers. The hot, parching weather of July having brought on a prema ture ripening, all farm work become crowded, men were not to be had, and prices therefore rose immoderately high, particularly in the middle counties. This simultaneous ripening had also the effect of preventing the harvestmen of the early districts migrating to the more backward ones, so that the prices in these backward districts, for cutting and stocking only, ranged from \$1,50 to \$3,65 per acre. One fact is werth recording here. A farmer had to give \$3,121 per acre for the reaping of his crop, which, on thrashing, was found to yield two quarters of inferior wheat per acre, which he sold at \$4,00 per quarter. Many simular cases might be related. In the Fens much of the grain was shed on the years, and also one-fourth below an average ground, owing to the impossibility to procure hands. The wheat crops, however, were so is rather better reported. A fair yield of wheat, very bulky in straw and thin in grain, that but of inferior quality. Barley is inferior in the loss was comparatively light. The oats and beans suffered severely. Nor was this bad; spring ditto good. Lincolnshire is a confined to the Fens; many districts suffered large county, and bears away northward,-

their order of latitude, beginning with the bad. Oats are a very rough, but good crop.southern counties. I find from various re- Beans good. Peas fair. The higher lands ports that much unsettled weather, heavy are bulky in straw, but are better in grain, thunderstorms, and continuous rains occurred although very inferior to most years; certainduring the latter part of the harvest, and led ly by no means an average crop. Barleys to much wheat being harvested in bad condi- are heavy and coarse. Oats fair. Beans tion. The quality of the grain is far upon good; winter ditto bad. In the western the average, but much thin and blighted corn counties in this latitude the same character is found upon thrashing, and the produce is of the harvest is given, but rather more favorsaid to be from two to three sacks below the able. The hot July and the heavy thunderlast year's crop. This is important, as it was generally thought the crops in the southern age. Winter beans in the west are well spocounties, i. e., Cornwall, Devon, Dorset, Hants, Sussex, and Kent, were remarkably ed with this line across the kingdom, I have good. It is an unquestionable fact, that the impression le!t that, like all others, it will when premature ripening takes place it al be found very defective in yield and quality ways causes a great amount of the grain to as respects wheat and barley, and fair for be thin and shrivelled; such was the case this season. The barley crops are all reported as being inferior, and under an average. The oat crops are still worse spoken of, except in Kent, where they are good. I therefore do not gather anything very encouraging from the summer has been much folt.

I will now take another line across the kingdom, and shall include the counties of markable that, while the midland counties Essex, Middlesex, Oxford, Berks, Wilts, and Somerset. In the latter county much of the wheat has been got together in fair condition; but a good deal has been seriously injured by heavy rains and taking wet in the stack .-The same report is given, of thin and blighted grain being found on thrashing, and two or three sacks per acre short of last year.-The barley is much sprouted and stained, but the crop is large; as is also the oat crop.-Beans irregular, and under an average. These remarks will apply equally to Wilts, Berks, and Middlesex; but Oxford and Essex are better spoken of, and the crops there were heavy; however, they were much beaten down, and do not prove well. Barley has beans are improving. I do not, therefore. gather much encouragement from my second district, but on the contrary, I believe it will also prove an unprofitable harvest to the occupiers of these counties.

ed prior to cutting. In Cambridgeshire not terahire, both wheat and barley were much favorably spoken of; but the same premature lar districts, the samples are only varied; but the crops being rather lighter in bulk of straw, the produce in grain is somewhat heavier .-In South Wales the crops of wheat and barley are only fairly spoken of; but oats are light: rains have damaged them.

I take another line across the kingdom, and in this shall include the counties of Norfolk, Lincoln, Northampton, Rutland, Leicester Worcester, Stafford, Shrophire, Cheshire, &c., and North Wales; and the reports given of these counties are more discouraging than of others. Nottinghamshire is said to yield one-fourth less than an average yield of wheat, of very varied character; and barley is the worst and most varied crop known for yield. Oats fair. Peas fair. Leicestershire color and weight. Oats fair. Winter beans The fens are very defective. The wheat I shall endeavor to take the counties in amazingly heavy in bulk, but grain light and storms, however, have done them great damken of. In looking over the reports connectoats, beans, and peas. In the produce of flour and wheat, it will be found full onefourth below an average of years, but the quantity of wheat per acre will not be so low; perhaps one-sixth below an average would be near it, but bad in productive qual-

York, Lancashire, Westmoreland, Durham, ded, the yellow-legged chickens are consider-Cumberland, and Northumi have been enjoying one of the most productive seasons ever known, the northern counties have been suffering most severely from a long and continuous drought, no rain of any consequence having fallen from April to July. The pastures are therefore burnt up.-The barley and spring crops generally were bad, and the wheat crop is the only fair one; it also is very light in straw, but yielding fairly, and the wheat is of good quality. In chickens every year for my own table, calcu-Yorkshire the wheat and barley crops are well reported of. In Cumberland and Durham July to February. For two years past, I wheat is well spoken of, but the barleys are have kept the Black Polands, which are blackwheat is well spoken of, but the barleys are various in yield and quality, generally under an average, as are also oats. Beans are nearly a failure in Cumberland, while in parts of suffered severely from rains, and the winter Durham they are good. In Westmoreland yellow legs. The chickens are all raised and all the crops are deficient, and in Lancashire they are not well spoken of. From this also assumed district I gather that a fair proportion of wheat of average quality will be forthcoming, but that all the spring crops will be but so frequently are the yellow-legged chick-I will now take the next line across the greatly deficient. I have taken pains to colcountry, in which I include the counties of lect information relative to our country's that I am surprised that our own countrymen Suffolk, Cambridge, Huntingdon, Bedford, harvest, and the result is that, as a faithful have not discovered the fact. Buckingham, Gloucester, Hereford, and South reporter, I must say that it will be found a Wales. In these counties, being about the very defective one as regards the produce of exists in this part of the country in regard to to drive a hired horse beyond the point bar-

fifteen to twenty per cent. below par. The will vary in the product to from three to five resembles the color of gold is founded on barley is so much injured that not one-half pounds per bushel. The barley crop, as a fact, and that this prejudice carries away our will be fit for malting; much of it was sprout- whole, is one of the worst on record for the judgment? The New England people conmaltster; a large breadth has suffered much much better is reported; crops never varied from sprouting and bleaching, so that a good more. The heavier the crop, the worse the sample of pale malt will almost be a curiosiproduce; rains were heavy, and much carted ty. The produce of the crop is certainly my pen, that I at times shrink from my out of condition. Beans fair. Oats good. much under an average one, and very thin in grain. This is the general report, but wretched. In travelling westward, we find when the storms and heavy rains are taken the same unfavorable report. In Glouces- into account, we do not wonder at its bad malting qualities. Much of it must of course laid by heavy thunderstorms and rains; so go for feeding purposes. The oat crop is that the crops come light to hand, and the much more favorably reported of, and, with yield will be much inferior to 1858. Beans the exception of the northern and one or two and oats fair. In Herefordshire the harvest of the south-western counties, is highly spoweather was beautiful, but the crop of wheat ken of. It is likely to turn out well, and a is said to be much lighter than the past two fair breadth has been sown. The quality years, and a great decrease in the quantity of owing to the vicissitudes of the weather, will acres sown. The rains having been tremend- of course vary much. In the midland counous in the summer, it has caused a thin and ties the yield will be abundant. The straw varied sample. In one instance, a wheelbar- a very full crop, will be coarse, but very inrow filled with stones was carried along by different fodder; it almost rotted on the the flood. The midland counties of Beds, ground. The bean is crop reported of in near-Herts, Hunts, and Bucks are rather more ly the same terms. The northern and southwestern counties, owing to the absence of ripening took place, owing to a scorching rain, have all defective crops, in many cases July and the same fall of heavy rains; so that total failures; but the midland counties are I do not gather a favorable account of the all fairly spoken of, except the winter variety, prospects of these counties. Like all simi- which in many places totally failed. This will not be a productive crop, certainly not an average one, but the quality is fair, and it will relatively bear a good price.

The pea crop is not so well spoken of, although no great complaints are made, and these have not so totally failed in the northern counties. The early varieties are good. and the general crop may be taken as nearly an average one; but the samples of peas themselves are small, which must detract from the yield and price.

The quantity of old wheat remaining unsold by the farmers is no doubt considerable; but as the harvest was a very early one, we may calculate upon a thirteen months year to another harvest; so that all will be more than wanted. There is unquestionably great prosperity in our manufacturing districts, and therefore a great demand for bread will continue; added to this, there does not appear to be any great surplus of grain to come from abroad, most of Europe having suffered alike with ourselves; so that I have come to the conclusion that when the first pressure of grain upon the market is freely over, we may anticipate a gradual and steady improvement in price, particularly for wheat.

#### Prejudice of Color.

Wison Flagg thus writes to the New Engand Farmer:

Some years since, while I was engaged in electing a pair of chickens from the dre fowls in a butcher's stall, a Frenchman stood near, and, observing that the dealer seeme to prize very highly a particular pair, on account of their bright yellow skin, he remarked that the preference for yellow-legged and vellow-skinned fowls was a Yankee prejudice. The dealer admitted that this might be true but that it was for his interest to buy the most saleable articles, and he had found by experience that the yellow-legged sorts could be sold more rapidly and for a higher price than any others. The Freechman replied that the Americans were very dull in the exercise of their observing faculties, and he from this cause, it is no evidence of inferior suspected that their natural love of gold must the reports of the southern parts of the king-dom. In the south-west absence of rain in I will now take the northern counties—ed on an egregious error. In France, he adstringy, compared with that of the blue, black, and white legged fowls, whose flesh is by far the most tender and juicy.

I have, since I heard the Frenchman's remarks, taken every opportunity to put them to a rational test, and have found them to be correct. The yellow-skinned fowls have commonly either green or yellow legs; those with black, blue, or white legs have a white skin. There are some exceptions; but the exceptions are not numerous. I raise a great many lating to supply it weekly with one pair, from legged; the Golden Pheasants, which are blue-legged; White Polands, with white legs, and another sort, allied to the Dorking, with fed in the same way, yet the yellow-legged individuals have almost always been found inferior to the others with white skins. The last are the most tender, delicate, and agreeable. There are occasional exceptions, ens dry-meated compared with the others,

It is remarkable that the same prejudice same latitude, the reports are delefal in the extreme. In Suffolk, the wheat is said to be will not visible that the Frenchextreme. In Suffolk, the wheat is said to be will not yield the usual average of flour, but man's satirical jest upon our love of whatever teen days' imprisonment.

sider the yellow corn the only sort that is fit for the table, and believe that the white kind is fit only for hogs and cattle. The opposite of this is the truth. Meal made from the white corn is the best for cakes and puddings, but the yellow corn is more fattening when given to domestic animals, and is preferred by them to the white. The Southern people are well acquainted with this fact. All their Indian bread and their hominy are made from white corn; and they smile at our simplicity, which leads us to prefer the yellow corn. As the Southerners use Indian corn in a greater variety of preparations for the table than we do, and are adepts in this branch of domestic economy, I think they are better authority than we at the North in this matter. may add that those individuals of my acquaintance who have experimented upon the two sorts of Indian corn have concluded that the Southerners are right.

The superior sweetness of the white ears of corn, when they are in the milk and boiled for the table, are apparent to all. But the community have been very slow in finding out this fact, and even at the present day some persons may be found, not apparently deficient in common sense, who still cultivate the yellow corn for table use as a green vegetable.

As far as my judgement respecting the quality of fruits and esculent roots can be formed from their color, it will be found that the nearer the color approaches to white, the more sweet and delicate the flavor. Of beets, turnips, cherries, currants, peaches, and grapes, the sweetest are white, or nearly colorless. It is a matter of very common observation that of all the different kinds of potatoes, those with yellow meats are more liable to be rank and disagreeably flavored, and are coarser grained than the other sorts.-The best of all varieties are those with white meat or pulp; a tinge of red or blue is not, however, so bad a symptom as a tinge of yellow. It is not always wise to attempt an explanation of these things; but if I were obliged to guess the why and wherefore of this fact, I should say that the materials which produce sugar in a white beet or a white current are used up in producing the coloring matter in the red ones. It is also highly probable that the coloring matter of vegetables possesses a flavor peculiar to itself, and not always agreeable. It is evident that the coloring matter of the yellow-meated potato s acid and the purple coloring matter of the grape is aromatic. I have no doubt that if white variety of the tomato could be produced from the common stock, it would be found greatly to surpass the red and yellow kinds in delicacy and sweetness.

The color of good butter, which is comnonly of a bright yellow, may be considered an exception to the facts stated in these remarks. I would not be understood, however, to say that my remarks are applicable to all substances. Butter which is prepared in winter, when the cows are fed chiefly on dry food, is usually light colored, and is inferior to the bright yellow butter of June. But when the difference in the color of butter proceeds from the peculiar nature of the cows, the yellow kind is no better than the white. A cow whose flesh contains light colored fat or suet, always produces milk that yields light colored butter, and when the light color arises

#### Saginaw Valley.

It is very generally supposed that the part of Northern Michigan known as Saginaw Valley is entirely and heavily timbered with pine. A late number of the Republican published at Saginaw City, corrects this idea, and

"This is, at the present time, known abroad as a Pine country; and in the minds of most people, pine lands are not very valuable for farming purposes. Pine lands have usually a light, sandy soil, and require the use of manure to get full crops; and the intelligent emigrant is disposed to select other lands for settlement. The Saginaw Valley, while it produces the finest quality and also immense quantities of Pine lumber, should not be regarded as a Pino country, for not one acre, in fine, of the whole Valley, grows Pine timber. There are occasional belts of land where pine is the principal timber; there are tracts of a few thousand acres in a body, timbered almost exclusively with Pine; but the great body of lands in the Valley are rich, hard-timbered lands. If all the swamps and all the pine timbered lands were estimated carefully, I do not believe they would constitute a quarter of the whole."

#### FARM MISCELLANEA

Weights and Measures—A Good Proposi

The N. Y. Tribune states that:

A proposition will be submitted to Congress at its ensuing session, backed by the unanimous approval of the Legislature of New Hampshire, having for its object the establishment of a uniform system of Weights and Measures, based upon the decimal principle so happily imbedded in our currency.-In other words, Congress will be asked to establish a unit of weight the existing pound avoirdupois, for instance - and another of measure—the present pint, quart, or gallon, if that be deemed advisable-with divisions into tenths and hundredths, and corresponding measures or names for quantities ten, one hundred, and one thousand times the unit. Thus, instead of our present artificial and perplexing scale of measures, we would have one substantial by like this:

10 lines, 1 inch: 10 inches, 1 foot: 10 feet, 1 rod: 10 rods, 1 rood: 10 roods, 1 mile: 10 miles, 1 league:

with names expressive, or at least indicative, of the extent expressed by each. So with weight; the new scale would be after this fashion:

10 grains, 1 scruple: 10 scruples, 1 drachm: 10 drachms, 1 ounce: 10 ounces, 1 pound: 10 pounds, 1 stone: 10 stones, 1 hundred: 10 hundreds, 1 tun:

with names of the several measures as much more fit and expressive as may be.

The need of this change is very great,-Our present weights and measures are defective and uncertain to an extent that will not be credited a generation hence. We are perpetually buying and selling by the barrel; but who can say how much a barrel is? We have at least two different measures of quantity, each called a bushel; two dissimilar gallons; one pound divided into twelve ounces. and another into sixteen; two tons, one of 2,000, the other 2,240 pounds; and we are habitually buying and selling potatoes and other vegetables by the heaped bushel, which is more or less, according the generosity or dexterity of the measurer. It can hardly be an over estimate that knavery and craft plunder honesty and simplicity of millions of dollars per annum by means of these "false balances," which the Good Book declares "an abomination to the Lord."

Habits of the Crow.

Wilson Flagg has a pleasant article in the Atlantic Monthly, in which he argues that the crow is a useful bird to the farmer. This is his plea: "The crow consumes in the course of a year, vast quantities of grubs, worms and noxious vermin; he is a valuable scavenger and cleans the land of offensive masses of decaying animal substances; he hunts the grass fields, and pulls out and devours underground caterpillars, wherever he perceives the signals of their operations, as evinced by the wilted stalks; he destroyes mice, young rats, lizards and serpents; lastly, he is a volunteer sentinel about the farm, and drives the hawk from its enclosures, thus preventing greater mischief than that of which he is himself guilty. It is chiefly during seed time and harvest that the depredations of crows are committed." It is true that the crow destroys many insects, and in fact does much good; the mice and rats killed by him do not probably go far towards his support, and his destruction of lizards and frogs (of the latter he kills beneficial to the farmer. As to his preventing greater mischief than he himself does, by driving away the hawk, it is at least questionable. It is well known that the crow is very destructive to small birds, devouring both eggs and young. In this destruction of insectiverous birds, he perhaps does more injury than in any other way. His depredations on crops are chiefly committed in spring, by pulling up the young plants of Indian corn and other grain, or sometimes digging up seed potatoes. It is seldom that he does much damage in the fall.

Names of Potatoes.

A correspondent inquires the origin of the potatoes called "Black Meshannock and eachblow?" The word "Meshannook" is a corruption of Neshannock, and was probably applied to the potato in question from its resemblance in shape to the original Neshannock, alias Mercer, Chenango, &c. It is the same that is called in some sections "Black Yam," but we do not know its origin. The so-called Peach-blow is known in various sections as Kentucky Red, Western Red, Sand Lake, &c. It is probably an old variety, whose origin is unknown. It is hardy A NEW law in Connecticut makes it felony and productive, and is said to have been the Dover, &c. - Bost. Cult.

Notices of the Press.

- Li Lua anni <del>Ma</del>

Our own Michigan FARMER visits our table every week, and brings a feast of good things. The FARMER sustains a high character among its class of journals. We are happy to see that our State has had the good sense to appreciate the talent of its editor, R. F. Johnstone, Esq., and appoint him to the position of General Superintendent of the Agricultural College Farm at Lansing We are sure he will fill the position with advan-sage to the State, the students and the farm, and with credit to himself. The FARMER is published weekly by him, at Detroit. \$2.00 per annum.—St. Johns Democrat.

THE MICHIGAN FARMER fulfills the promises of its prospectus, which is more than can always be said of such promises.

The series of articles on "The Structure and properties of Wool," by Dr. Goadby, are valuable and interesting, and any scientific publication in the country might well be proud of them.

The price current, the editor may, and we hope will, make a prominent specialty of the FARMER. The Farmer's newspaper ought to be a perfectly reliable source of information as to the markets

We hope the FARMER is a success, pecuniarily. It certainly deserves to be. Mr. Johnstone has shown himself courageous in changing the FARM-BE to a Weekly at such a pecuniary crisis.-Gazette.

MICHIGAN FARMER.-To the farmer and horticulturist of Michigan, this publication is unequalled. Devoted to the advancement of their interest it is always filled with good things, suited to their wants and necessities. Good farmers will have this paper. It is published in our own State and is furnished as cheap as any paper in the United States .- Lapeer Republican.

THE MICHIGAN FARMER finds its way to our ta ble regularly every week. It is gratifying that the intelligent farmers of Michigan are so well represented through the columns of this weekly Jour-nal, and they give it their generous support. No paper in the Union excels it, and for the latitude of Michigan, no one equals it. — Genesee Democrat

We notice that our Agricultural Society have adopted the plan of awarding, in some cases, copies of the Michigan Farmer as premiums.— This is a good move, and those who are so successful as to draw them will find them of much more value than the "Diplomas," and "Transactions" which used to be awarded. We consider the MICHIGAN FARMER, published at Detroit, and the Ohio Farm er, published at Cleveland, as two of the best and most useful agricultural papers in the country, and no intelligent practical farmer should be with out one or both of them. You would find either of them a good investment. Price of each \$2.90 per annum, \$1.50 in clubs .- Branch County Re

MICHIGAN FARMER .- We cannot too highly re commend this farming journal to the notice of our agricultural readers. It should be in the hands of every farmer, and of every farmer's wife and chil-

THE MICHIGAN FARMER, is received, a splendic weekly journal, devoted to the affairs of the farm the garden, and the household, published at De troit by R. F. Johnstone. It is a neatly printed quarto sheet 'chuck full' of the very best agricultural reading. We wonder that there is not a larger number taken here.—Ingham Co. News.

MICHIGAN FARMER .- We cannot over estimate the value of this excellent agricultural journal.-For reliable information relative to the subjects of which it treats, it cannot be excelled. Every farmer in the State should take it. It is a large weekly paper published in quarto form, and is cheap at \$2 a year. Three copies for \$5, five copies for \$8, and ten copies for \$15, Address P. F. Johnstone, 130 Jefferson Avenue, Detroit.-Bay City Press.

We are in receipt of the MICHIGAN FARMER, weekly journal of affairs, relating to the farm, th garden and the household, published at 130, Jefferson Avenue, Detroit Mich., R. F. Johnstone, Editor. The FARMER is pronounced by competent judges to be one of the best agricultural ps pers extant, and we cheerfully annex it to our list of Exchanges. The low rates of their clubbing terms, afford an opportunity for every farmer to abscribe.—Morenci Star,
Michigan Farmer.—This weekly journal is be-

coming more and more a credit to our State .-Each number is filled with important matter, with most judicious selections and able editorials. It by our agricultural people. It is an excellent the THIRTEEN REASONS. reading and family paper also—contains the latest general news and scientific intelligence. Its horticultural calendar, for April, contains articles or the preparation of the garden, on kitchen garden plants, on apple seeds and their treatment, which are useful to every one who has a garden to culti vate. The price of the journal, is \$2 a year-three copies for \$5, or five copies for \$8, in advance .-We hope the efforts of Mr. Johnstone, the able and indefatigable editor, will be amply rewarded by a large list of home and foreign subscribers.—Marshall Expounder.

Many letters from private personal correspond ents are even more encouraging than the above.— We have room but for one or two. An influential

"I send you a few more names for the FARMES Our town will make a show on your Books anothe year. Many eastern agricultural papers have been taken here, which are good enough as far as they go, but we find out that if we want to know any thing about Michigan agriculture, we have got t look to the Michigan Farmer for it. Your week ly is much liked. It comes fresh, prompt, and full of good things every time."

A Massachusetts subscriber says. "I take nearly all the agricultural papers published in the United States, and would rather be without any three or four of the others than the MICHIGAN FARMER."

One in Western Illinois writes : "Enclosed find my subscription for the FARMER. I have tried good many papers, but none seem to come right with the information we want as your does. Let Eastern ones say what they will, and strain themselves to the atmost to buy up our subscriptions at a discount, they cannot satisfy us; we have not what we want here at the West, till we NEW ADVERTISEMENTS.

HORACE GERRLEY & Co., N. Y. New York Tribune A. C. Harris, Toledo, O. ....... Suffolk Pigs.

# MICHIGAN FARMER

R. F. JOHNSTONE, EDITOR.

SATURDAY, DECEMBER 17, 1859. THE MICHIGAN FARMER. A WEEKLY JOURNAL OF

The Farm, The Garden, and Household. EDITED BY R. F. JOHNSTONE AND MRS. L. B. ADAMS.

ASSISTED BY A large Corps of able Correspondents from all sections of the State.

THE MICHIGAN FARMER is a Journal for the Farming community, and ought to be sustained by the Farmers and Citizens of Michigan:

1. Because it contains each week articles detailing the practice of the farmers of Michigan. 2. Because it contains the most practical and friends are about. soundest advice on all matters connected with the

Orchard and Fruit culture in Michigan. 8. Because it contains the best and most worthy selections from the Agricultural Journals of other States, also from those of the Old World.

4. Because it contains the proceedings and details of the actions of the Michigan State Agricultural Society, which no other Journal publishes. 5. Because it reports the whole proceedings and practice adopted and pursued at the State Agricultural College.

6. Because it contains a perfect Stock Register, in which is recorded the pedigree and descent of all pure bred Live Stock brought into or raised in

7. Because it contains, and keeps the Farmer advised of the course of the markets, at home and abroad, for all productions of Michigan Agricul-

8. Because it is free from all political and religious bias, and is entirely independent in its course, and is more practical in its teachings than any other publication of the kind.

9. Because a large portion of its columns are de voted to the interests of the firesides, and the Households of Michigan

10. Because it contains the most reliable information in regard to the prices of all Agricultura

11. Because it represents more than any other journal can, the interests of the Farming commu-nity of Michigan; being for eighteen years the true and tried exponent of those interests.

12. Because no Eastern or Western Journal car

supply its place, or give the Agriculture of Michisan its true position and standing as this Journal

13. Because the Michigan Farmer is THE FARMER'S OWN JOURNAL.

TERMS OF SUBSCRIPTION: Single Subscriptions \$2,00 per annum. Olube of thre. names, or over, at the rate of \$1,50 each.

R. F. JOHNSTONE, Puslisher.

#### The Thirteen Reasons.

We give place in our columns this week to the Prospectus of the Michigan Farmer for 1860, and call particular attention to the Thirteen Reasons why the FARMER ought to to be sustained by the people of Michigan.— One more might be added; it is one of the best advertising mediums for men engaged in raising stock, or manufacturing, or selling agricultural implements, either in the State or out of it, as it goes directly among the class of readers who are most interested in such

We have on hand a number more "Notices of the press," which we shall give next week, showing how the Farmer is appreciated in our own State, and also most encouraging letters from friends and agents, from some of which we shall give extracts if we can find room.

Meanwhile, friends, circulate the papers inly deserves to be sustained and supported among your neighbors, and ask them to read of students from the College.

#### The Market Prospects.

It will be seen that we publish a very ineresting article relative to the crops in Great Britain on another page which will repay perusal. From this we might draw the inference that there was a prospect of a good foreign demand about the time of the opening of three different times during the last season navigation in the spring. Still it must be borne in mind that if there should be such a demand at that time, there must neccessarily be such a large amount of produce to go forward, that, it cannot be expected that any great extreme in prices can be reached. Besides, the best facilities afforded by railroad communications with the Atlantic seaports will keep them so well glutted, that the holders of produce will be too anxious to part with their stock, at reasonable rates; all this will then affect the market, and must be considered well by those who have a large stock of produce on hand to sell.

#### Practice with Steamed Food.

W hope our readers will give their atten tion to the excellent communication from one of the best and most successful farmers in this State, which is on another page; it the young men themselves for a solution of should be read by all men who are interested the question. in the feeding of cattle and other stock. It

is practical and to the point, and gives just the discipline of the school will, doubtless, be not more of our farmers communicate the the same manner? Such facts, and such practice as Mr. Heydenburk sets forth, are the means of doing a great amount of good, and direct attention to what can be done, by a man who uses his thinking powers. We should have been greatly gratified if an account of the exact result of the different modes of feeding could have been furnished to us, and hope to hear from Mr. Heydenburk, again upon this subject. We have been at his place, and have long meant to be there again, for the purpose of obtaining an exact measurement of his barn and out buildings, which are on a side hill, and of a peculiar structure, and possess conveniences that are worthy to be noted. After the next month we hope to be once more free from all "entangling alliances," and at liberty to travel and observe what our agricultural

#### The State Agricultural College.

The Lansing Republican of November 29th ontains the following paragraph in a notice which was made of the Report of the Superintendent of Public Instruction relative to the Agricultural College:

"There has been a marked falling off in numbers during the academical term just now closing, which may have had its influence in guiding the Superintendent to his conclu-sion; but whether so or not, we are unable to had in all more than one hundred students and closed with about fifty—a significant fact, not unlikely to have had its effect upon the mind of the Superintendent, and the aciton of the Board of Education."

In reply to this, and as explanatory of the falling off referred to, Professor Fisk addressed the following letter to the Republi-

Statement of Facts.

EDITOR REPUBLICAN-I infer from an editorial headed "State Agricultural College," which appeared in your paper of the 29th ult. that you are laboring under some misappre hensions in regard to the College.

You state that "there has been a marked falling off in numbers during the academical term just now closing. If not misinformed, the summer term had in all more than one hundred students, and closed with about fifty-a significant fact, not unlikely to have had its effect upon the mind of the Superintendent, and the action of the Board of Education."

The facts are these: The term commenced with eighty students, about the same number as in the winter, but twenty less than at the opening of the summer term the year before, and closed with sixty, a number equal to that which was in attendance at the end of the last year, although the term continued eight months instead of seven as heretofore.

The falling off was, therefore 20 per ceness than the year previous. Moreover, at the commencement of the summer term of '58, there were nearly twenty young men that the work absolutely required. were examined but not admited because the College was full, who stood as a reserve corps, having pledged themselves to keep up with the College classes, and hold themselves in Republican, as the College closed its examireadiness to step in and fill any vacancies that might occur. Thus the falling off in '58 was nearly 40 per cent. more than in '59.

There are three reasons that operate to produce a temporary or permanent dismission

1st. There are young men that come to the Institution with the impression that their labor will defray all their expenses, including board, books, clothing, and everything else; but, discovering their mistake, they are compelled by poverty to leave before the term closes.

2d. Sickness has at times thinned our ranks remember vory well, sir, that at two or you have in your paper represented almos the whole of Lansing as prostrated by sickness, so much so that your remarks were co pied by the press of other States to show the affliction under which we all were suffering.

3d. Parents have brought their sons which they could not control at home to the College hoping that by the labor and discipline of the Institution they might be reformed. You are aware that such boys we are sometimes compelled to dismiss, and thus our number is still further diminished.

I will here state, however, that many more young men have applied for admission into the College at the opening of the next term, than there are vacancies now to fill.

With regard to the feelings entertained by the students towards the Institution, we think we would not hesitate to refer you to

The advancement made by the classes

the information that is wanted. Why will reported to the people of the State by the Board of Visitors, who have recently devoted results of their operations and experience in a week to an examination of the condition of the Institution.

You say: "In respect to the support relied upon by the Faculty coming from the locofoco press," &c., I can only state that since the organization of the College the Faculty have made no distinctions on political ground in the administration of the affairs of the Iastitution, and they do not hold themselves in any way responsible for what the press may say, either Republican or Democratic. The issue sought to be created, by sly insinuation, between the Board of Education and the Board of Instruction is certainly very unfair.

So far as I am aware, the present Faculty are not seeking to throw obstructions in the way of a fair trial of the new policy about to be inaugurated, having themselves indeed recommended that some steps be taken to bring out more prominently the Agricultural features of the Institution. There may be individual differences of opinion in regard to the best means of accomplishing the result, but this produces no hostility of feeling or conflict of action.

I trust you will concede the justice of pub lishing the above statement of facts.

Agricultural College, Dec. 2d, 1859.

In addition to this, we would remark that an examination of the lists of students shows that there have been altogether at the College during the past term 104 students; but at no time were there over 84 present, a number having entered during the term as vacancies occurred. Of these, there left during the term, from the several causes, the numbers as shown in the following table:

Left sick, and were unable to return.... Total falling off-----

The number that left on account of sickness does not, in fact, show how disastrously both the studies and the labor were affected from that cause, which was very severely felt in the vicinity of Lansing last season. one time or another, every able-bodied student was prostrated by fever and ague, and with one exception, every member of the Faculty. The following comparison, however, will afford some idea of its effects:

In the month of June, the work table shows that 6,0182 hours work were performed. In the month of July, 6,4031 hours. In August there were only 4,0164 hours; in September but 4,3453 hours, while in October there were 5,0031; showing that in August, when work was really of the utmost value, on account of the preparation of land for next year's wheat crop, the force was reduced nearly one third, and principally from this cause. In fact, we found on inquiry, that this was an annual visitation; for, the year previous the numbers present on the roll call of the working divisions hardly furnished force enough to man the teams necessary to do

It will be seen, therefore, that the falling of in the numbers of the students is not to beimputed to the cause referred to by the nation with sixty-four students present, a few having been excused a few days previous, that they night fulfill their engagements to teach

#### Literary News.

thirty-six pages, will hereafter be issued semi-monthly at half the size. The name of the Northwestern Prairie Farmer is

o be changed to The Farmer's Advocate.

James Redpath is preparing for publication a Life of Capt. John Brown for the benefit of his Leigh Hunt's son Thornton is preparing a com

plete edition of his father's works for publication Miss Evans, the author of "Adam Bede," is en

gaged in preparing a new novel for the house of Blackwood, The circulation of Adam Bede, in England, up to the 14th of November, had reached 12,000. The sales of the American edition have been at least twice as great. Messrs. Ticknor & Fields are now the published

of the writings of Ralph Waldo Emerson. They announce for early appearance his new work—
"The Conduct of Life"—in uniform style with his former publications, to form one volume, 12 mo.

Mr. Charles Kingsley has nearly completed new novel, which may be expected The subject is different from most of Mr. Kingsley's fictions; consequently more than usual interest felt among critics for its appearance.

Lord Macaulay has two volumes more of his 'History of England" nearly ready for the press. The heirs of Baron Humboldt are not disposed to let his valet have the legacy of the library. The bequest is disputed in the courts, say the German

Mr. Carlyle is still busily engaged on his "Life of Frederick II. of Prussia." Volumes three and four will be published about the beginning of next

#### Scientific Intelligence.

Agricultural Patents issued for the Week ending seember 8, 1959.—Wm. Cogswell and Ira Cogswell, of

Ottawa, Ill. Improvement in Harvesters.

A. B. Furbee, of Dresden, Ohio. Improvement in

Jackson Gorham, of Bairdstown, Ga. Improvement

F. E. Hinckley, of Galesburgh, Ill. Improvement in Mole Plows.
D. Sanford, of Taylor, Ili. Improvement in Harvest.

J. C. Stoddard, of Worcester, Mass, Improvement in Hay-raking Machines.

Hay-raking Machines.

A. P. Torrence, of Oxford, Ga. Improved Machine for Girdling and Felling Trees.

D. A. Willbanks, of Harmony Grove, Ga. Improvement in Threehing, machines.

ment in Threshing-machines.

W. F. Yeager, of Starkville, Miss. Improvement in

Plows.

George H. Hall, of Mamakating, N. Y. Improvement in Horse Hay Rakes.

James W. McLean, of Indianapolis, Ind. Improvement in Steam Plows.

#### General News.

-Trains are now running regularly across the Victoria Bridge at Montreal.

-The steamer Milwaukee, lately ashore at Grand Haven, is not yet affoat. She is said to be uninjured. —Henry Jumpertz, who has been in jail in Chicago for two years on charge of murdering his mistress, whose body it will be recollected he packed in a barrel and shipped to New York, was this week acquitted.

—Congress has now been in session for over a week, yet the House is as far from an organization as on the day of opening. The time is being frittered away on fruitussions of the slavery question

—Mr. J. Barnabas Campau, an old resident of this city, mysteriously disappeared about two weeks ago.—Considerable excitement has prevailed, and a thorough search has been instituted, but as yet without bringing anything to light concerning his fate.

—Judge Terry has been indicted by the Grand Jury of San Francisco county, and held to \$10,000 ball, for the killing of Broderick.

-Vermont paid from her State treasury last year \$500

—Mr. Lever has again offered to charter the Great Eastern for twelve months, but the proposition was re-fused without hesitation by the Directors. —The Empress Eugenie and the ladles of her Court have definitely abandoned crinoline; they have also sub-

—A letter from a European wine merchant says that the vintage of Port was never so short as during the pre-sent year, while Sherry is only about one quarter of the

-The New York Historical Society have resolved to

celebrate the next anniversary of Irving's birth by a public address on his life, character and gentus, to be delivered by W. C. Bryant. —The European powers invited to send representa-tives to the Congress, are those that signed the final ac-tives to the Congress, are those that signed the final ac-t of Vienna, and the three principal powers of Italy.— The Congress will be thus composed of France, Britain, Russia, Prussia, Austria, Spain, Portugal, Sweden, Sar-

inia, Rome and Najeles.

—A French farmer, proud of some turnlps he had raised, sent one of large size to Louis Mapoleon, recommending it for soup. The peat office official thought the packet was an "infernal machine," and the poor farmer, fter being arrested, had hard work to exp

Upwards of fifty thousand barrels of apples have been Upwards of mity thousand parrets of apples have been taken to Chicago the present fruit season from stations in Michigan along the line of the Central Esilroad.—About one third of the receipts were of winter varieties during the month of November. Michigan seems to be a special favorite of Pomona, among the Western States

a special favorite of Pos holding the first rank, —A Washington correspondent says there is a movement on foot among men of wealth and political influence,
quite capable of carrying out their pragramme, to furnish the Liberal Government of Mexics with the means
and men to overcome the oppositions in the country.

It is proposed in legal shape, and it is believed that the
Administration will not discourage, but possibly favor it.

—Mr. E. M. Gregery, the well-known proprieter of
the Franklin House at Ann Arbor, attempted to commit

the Franklin House at Ann Arbor, attempted to commit suicide on Sunday night by stabbing himself severely in the neck with a pocket-knife. His condition was dis-covered in time to save his life, it is confidently hoped. Mr. Gregory was laboring under great despondency. Mr. Gregory was laboring under great despondency which probably produced temporary aberration of the mind, and led to the unfortunate attempt.

mind, and led to the unfortunate attempt.

—It appears that the recently ratified treaty between the Chinese and the United States has already been nullified by the refusal of the former to open two of the ports named in the instrument. It will be remembered, however, that the treaty was only to take effect when the difficulties with France and England should have been adjusted, and that the present statement does not therefore affect in the present statement does not therefore affect in the interval of the statement of the sta

-A broker of Corunus named Wallace, has swindled several brokers and one or two banks in this city, out of various amounts of money, amounting in the aggregate to three or four thousand dollars, by selling drafts on the The Wisconsin Farmer, hitherto a monthly of People's Bank of New York, purporting to be drawn by a banking firm in Illinois. The drafts were protested, the firm having no account at the People's Bank. Mr. Wallace has done considerable business with our bankers heretofore, and has always enjoyed their confidence,— His present whereabouts is unknown.

—The Charleston Courier says the Committee on Federal Relations in the South Carolina Legislature recommend the passage of resolutions reaffirming the po-sition of South Carolina, declaring the right to secode from the Union, and that the people should make comause to sustain her vindication of the institutions of the South. The committee also recommend military contingent fund be increased to \$100,00 d that the

—Mr. Wiard has not abandoned his steam ice-boat project for navigating the Upper Mississippi river in the winter. The friends of the enterprise are sanguine of success, and it is stated that Mr. Wiard has all things in readings at Parista of Chian & Lunch his laceton for readiness at Prairie du Chien to Isuneh his boat on the first closing of the Mississippi river. If successful, the boat is to make semi-weekly trips between St. Paul and Pairie du Chien. The engine is strong enough to draw sixteen loaded cars on the fee, and a St. Paul paper says that "its proprietors are ready to enter contracts for carrying down all the grain that can be gathered at different points on the river."

-During the funeral of Washington Irving in Tarry. town, business was suspended, mourning drapery was hung from every house, and the bells of the churches ple assembled, in and about the church where the ser as took place. A procession more than a mile in the followed the remains of the deceased to the grave, yies took place. A procession more than a mind to jength followed the remains of the deceased to the grave, where, besides many of the most distinguished men of New York, were nearly all of the Episcopal clergy, in-cluding the Provisional Bishop of the Diocese. The New York Common Council and the Trustees of the Astor Library were present; and the Historical Society was well represented. The services in the church and at the grave were conducted by the Rev. Dr. Creighton, pastor of the church at Tarrytowa, of which Mr. Irving

mon among well-to-do farmers as not to ex-

cite a remark. Nothing gives me more pleas

paid for out of the actual proceeds of the

Recently, in a lecture by a young physi-

# The Kousehold

"She looketh well to the ways of her household, and eateth not the bread of idlences."—Provense.

EDITED BY MES. L. B. ADAMS.

#### THE BACHELOR.

PROM PORMS IN THE DORSET DIALECT, BY WM. BARNES

Not I don't begrudge en his life No! I don't begrudge en his life
Ner his goold, nor his housen, nor lands;
Teaké all o't, and gi'e me my wife,
A wife's be the chespest of hands.
Lie alwone! sigh alwone! die alwone! Then be verget.
No. I be content wi' my let.

Ah! where be the vingers so featr, Vor to pat en so soft on the feace, To mend every stitch that do tear, An' keep every button in please?

Crack a-tore! brack a-tore! back a-tore! Button a-vled! Vor want of a wife wi' her dred,

Ah! where is the sweet pirty head That do nod till he's gone out o' zight?
An' where be the white earms a-spread!
To show en he's welcome at night? Dine alwone! pine alwone! whine alwone!
Oh! what a life!
I'll have a freind in a wife.

An' when yrom a meeten o' me'th Each husban' do lead hwome his bride, Then he do slink hwome to els he'th,

Wi' his earm hangen down his cold side.

Blinken on! blinken on! thinken on! Nothen but duliness to come

An' when 'e do onlock his door,
De rumble as holler's a drum,
An' the yearies a hid roun' the vloor, Do grin vor to see en so glum.

Reep alwone! sleep alwone! weep alwone!

There let on bide;

1'll have a wife at my zide.

But when he's a-laid on his bed
In a zickness, O, what wall he do!
Vor the hands that would lift up his head,
An's sheake up his pillor anew.
Ills to come! pills to come! bills to come!

No soul to sheare
The trials the poor wratch must bear.

#### Decline of Conversation.

and of conscience to insist on out-door exercise and in-door social recreation as upon any of the regular exercises of the schoolroom. Such studies should be confined absolutely to Such studies should be confined absolutely to school hours. To allow them to encroach upon the later hours of the day, and upon the graceful household duties, and recrea-tions, which either are, or ought to be, pro-vided for every girl at home; in other words, to subordinate home training to school train-ing, or to intermit the former in favor of the latter, is a most palpable and ruinous mistake. latter, is a most palpable and ruinous mistake. It is bad even in an intellectual point of view. To say nothing of other disadvantages, it de-prives girls of the best opportunities they can ever have of learning that most feminine, most beautiful, most useful of all accomplish-ments—the noble art of conversation. For conversation is an art as well as a gift. It is conversation is an art as well as a gift. It is learned best by familiar intercourse between young and old, in the leisure and unreserve of the evening social circle. But when young girls are banished from this circle by the pressure of school-tasks, talking only with their schoolmates till they "come out" into society, and monopolized entirely by young persons of their own age, they easily learn to mistake chatter for conversation, and "small talk" becomes for life their only medium of exchange. Hence, with all the intellectual training of the day, there was never a greater dearth of intellectual conversation."

The above remarks are from the pen of a

The above remarks are from the pen of a British writer, and are well worthy the thoughtful consideration of the parents and teachers of our own country. How many times have we seen children come home from school, with their arms full of books and, listless and weary, seek some quiet corner where they could study over their tasks for the morrow's recitations.

Long, arbitrary rules must be committed to word for word, exactly as they are in the book; hours must be spent over long lines of spellings with definitions that will be forgotten as soon as recited, and, with body and brain jaded and weary, the luckless pupils go through weeks and months of such drilling, till their education is pronounced "finished." Then they are turned out upon the world without the first idea of any practical use that is to be made of all they have learned. They cannot talk about science or history, except, perhaps, to repeat the conswers to certain questions as they learned them in the books.

How many young girls literally waste the best part of their lives over their books, simply for want of some idea of how to use what they are at so much pains and cost to learn. Rhetoric, logic, history, betany and other sciences are studied in the books and recited in the class, but no mention is made of them at home or in the company of those with whom they associate, so that when school days are done, the books are laid aside and their contents, perhaps, never thought of as having any connection with

such we have heard lament that they could in a measure for the prevalence of this opin- tude of women is an established fact, and in enough, they would say, but they could not get words together in the right shape to express them. This was because they had never learned to talk; they could chatter.

Home discussions should be encouraged mong children. We have known instances where regular family lyceums were kept up all winter, sometimes the parents joining in with the debates and compositions, and sometimes carried on by the children alone. In one instance a family of eleven brothers and deserved it in a measure, some of them, for I one sister, all between the ages of eight and have heard farmers say that they should not audience, criticizing the performances, sugvarying the programme by taking an active part in it themselves. All but one or two of the oldest were attending school at the time we knew them, and these evening entertain ments at home were got up to illustrate by original plays, poems, speeches and orations what they learned from their books during the day at school. The effect of this home treatment was remarkable on their school compositions. They were prompt and to the point in expressing their views on whatever subject they took hold of. There was none of that stiffness or drawling, groaning schoolboy backwardness, and complaining about having nothing to write about and no words to express it in. They sharpened their intellects against each other constantly, and evolved ideas and thoughts of a nature that that they could get hold of and use. This taught them to think for themselves, and not be altogether dependent on the words used in

their text-books at school.
One great difficulty in the way of children learning to think and talk for themselves i that paren's usually have too much work to do. The father is tired and wants quiet when the day's labor is done, and the mother whose labor is never done, has so many restless little bodies with mouths and hands and feet to be cared for, that she falls into the habit of thinking that her whole duty consists in caring for them only. She leaves the mind, the formation of the mental character of her children, wholly to the school teacher and her daughters grow up and follow her example. There are some most honorable and praiseworthy exceptions; but, mothers ask yourselves if it is not so, to too great ar extent, that you are so "cumbered with serving" the part that perisheth, that you forget the cultivation of those nobler faculties which are to prepare your children for higher usefulness in the world.

One of the best opportunities for conversa

tien in families, is around the table, when all are met together for their morning, noon and evening meals; yet it is seldom, even there that we see any effort at sociability made. It s all haste and swallow all that can be swalowed, so that no time may be lost from work Sometimes we have known children at table with their parents, venture a remark or question upon some subject accidentally sug gested, when they would be suddenly cy short with a parental injunction to "eat what is before them, and let that stop their moun, as if in having the mouth well stopped fith meat consisted the whole duty of social life. In this way the family gatherings are made very dull and solemn affairs, and many op-portunities are lost, that might otherwise prove most advantageous and instructive both and sit down to other tables with no other fast as possible. We are convinced that this great hindrance to the development of conversational powers among the young. The responsibility here rests more with parents

#### The Farmer.

than with teachers, and many of them need

but a hint to make them see the wrong and set

it right.

"Look at the farmer dressed in his broadcloth, and driving his splendid horse and buggy! how can we ever expect to arrive at any distinction as professional men, when you cannot tell the farmer and his equipage from

the doctor and his, only by his pill bags."

This remark was made by a young Physi cian in one of our country villages, and I find it is the opinion of many, (and some perhaps who never earned a dollar in their lives,) that farmers or laboring men, and women too, are an inferior class, and that they have no business with a carriage or even a comfortable buggy, but that a vehicle similar to Mr. the wants or the duties of the life upon Brown's, of which we had a description in which they are entering. All the time that the Farmen last spring, is more suitable for

cian, to which I listened, some very disparaging remarks were made about farmers in an intellectual point of view; but perhaps they

thirty, held regular debates and readings, in be expected to use good language, and that which all participated, the parents being the it was wrong to educate boys if you expect to make farmers of them, for an educated man gesting improvements, and, not unfrequently will not dig in the dirt. Now this is all wrong. The farmer and farmer's wife, too, should be educated. If we have lacked advantages in early life, let us improve every opportunity now as we go along. It is never

too late to learn. Let us impress upon the minds of our children the true dignity of farming as an occupation. Let us educate them suitable for any profession, and then make farmers of them, unless they manifest a decided preference for something else; for an education that will qualify them to occupy a high position in the world, will impart a greater dignity and value to their agricultural pursuits and we all know that being a farmer will nevor debar any one from attaining to any station in life, even a high political one, as we have examples enough to prove; and I have often thought if we had more farmers in Congress, our country would repose in greater safety than it now does.

A PARMER'S WIFE

#### Employment of Women.

Prominent among the changes now in progress in society, is the new position women are taking in regard to employment, and ability to provide for themselves. The change has been very marked in New England within the last forty years, and during the last decade particularly, there have been many new methods of industry open to female com petition. When the factory system was first introduced here, the daughters of the farmers and mechanics gladly availed themselves of the opening for their services thus presented By their evergy and prudence the mortgage on many cherished homestead was paid off, and the ged parents were relieved from anxiety, in regard not only to the remainder of their days, but for the future support of their beloved children. There is many a professional man in our country who is largely indebted to his sisters for his education, as their labor enabled him to secure a liberal culture. and take an honorable place among his fellow citizens. As society advances, new employment is found for women, and now we have fimale artists, authors, and astronomers, whose fame is by no means confined to their ative land.

The women of New England, and particu larly those of Massachusetts, earn millions of dollars annually, in various branches of industry which have been introduced in modern times. In one part of the Commonwealth, fe male labor is employed upon binding shoes in another district, braiding straw is the lead ing pursuit; in a neighboring county, palm leaf is converted into hats and bonnets by women; and in the seaport villages clothing is made by the female residents for large dealto parents and children. From such tables at ers in Boston. The effect of this home indusal of the whole native force from the facto idea than to fill their mouths as full and as ries, and the substitution of foreigners in gate wealth of the women of Massachusetts could be ascertained, the sum would surprise everybody. They form a large class of the depositors in Savings' Banks, and there is has not women among its shareholders.-The independent industry of our New Engwomen adds largely each year to the aggregate wealth of the community.

Female teachers are now more generally employed in our public schools than they were before Horace Mann labored in the cause of popular education, and normal schools were established to qualify young women for that service. The School of Design has enabled psychological delineation." many women with special gifts to find useful such girls have spent in studying, is little bet. any one in their occupation.

ter to them than lost time. More than one Now are not farmers themselves to blame gress of science and art. The literary apti-

not get their thoughts into words to write a ion? and the only way to remedy the evil, if our own country, as well as in Great Britain, decent letter to a friend. They had thoughts evil it is, is for carriages to become so com- they are nobly vindicating the intellectual capacity of the sex. It is now apparent that a certain field of useful and elegant literature ure than to see a farmer's family riding in belongs specially to women. The more this their own carriage, providing it is bought and whole subject is investigated, the more plainly will it appear that women are rising in the social scale,—that they are to a larger extent than ever before self-supporting, and that many of the disadvantages under which they have hitherto labored will be removed, so that they can more readily avail themselves of opportunities to become independent members of society .- Boston Transcript.

#### Mrs. Stowe's Book.

A writer in the Boston Transcript thus criticizes " The Minister's Wooing :" "A sufficient time has elapsed since the

chapters of this work were gathered up from

the trim garden of the Atlantic monthly and

bound into the substantial sheaf of a thick duodecimo-to warrant the conclusion that everybody has read it; and although eulogy has been exhausted in its behalf, and the journals, as well as the booksellers' placards, studded with its title, we deem it not too late to offer a word of deliberate criticism-prompt ed thereto by the fact that the novel is claimed to be not only a work of superlative genius, but of consummate art; whereas, in the latte respect, we conscientiously find it a most crude performance,—failing to realize the promise of its title, held together by no congruous plan or purpose, desultory, inharmonious, and historically and biographically superficial. As a series of magazine sketches it has vivacity and interest-frequent power and beauty; as a finished romance of New England life, it is so inferior to Hawthorne and Judd that we marvel at the short memories of indulgent critics. Except a little theological talk there is nothing originally characteristic in the heroine; she is simply a pious, obedient conscientious maiden, such as hundreds of stories of English and Scotch life have made familiar. Dr. Hopkins and Aaron Burr being introduced as real characters, are but slightly authentic; the current descriptions, personal and theological, have been restated by Mrs. Stowe, but not vitalized; indeed she moves in the fashionable sphere of her story with a conscious unfamiliarity, and makes the reader feel that this episode of Burr and Madam Frontignac has not only no relation to the novel, but none, through experience, with the writer. In fact it is only among homely scenes that Mrs. Stowe's cleverness finds scope. She describes a New England kitchen, garret, tea-drinking, church-going, quilting, cooking, dress-maker, etc., with surprising truth and animation. Moreover her didactic writing is often good. The best passages in this book are the economical descriptions and the negro-talk, with here and there an eloquent strain of remark on life in general and domestic life in particular. But the moment she draws near the Fauburg St. Germain, and the "old masters," she seems like a cat among crockery; the freedom and genuineness have departed, and we have commonplace and far-fetched writing. If the admirers of the "Minister's Wooing'

semed it but a pleasant and clever story of at last the bear couldn't stir a paw. New England primitive life, we should think it unfair to curiously note its defects; but it into in our part of the world," bawled out is talked of and written about, in some quar- the voice : "for then we guide them better ters, as a high piece of methetic and dramatic art-which it is very far from being; for, in the mere requisitions of local scope and fidelity, it is lamentably defective. A iar society existed in Newport, R. I., at the blow split the bear's skull, so that bruin date of this story-of the salient traits and manufacturing villages; while, in the matter special aspects of which Mrs. Stowe has tak- the fox were great friends, and on the best practice has, in this country at least, been a of domestic service, the native women have en no pains to inform herself. The slavealmost wholly left the field, much to the re- merchant then and there, and the hospitable the fox saidgret and annoyance of housekeepers; and we gentleman resident, have left authentic perapprehend that if the amount of the aggre- traits, which this writer never dreams of; moreover, the peculiarities of climate, scenery and culture, which identify Newport to those acquainted with them, are not recognized in the tale,-its scenes might have been laid in hardly a corporation within our borders that Portsmouth quite as well, or in any other town on the New England coast; whereas a proper study of the place and its social history would have furnished material so much more effective, significant and original, than she has made use of, that one is impatient to cunning fox who set our Dobbin free. I hear such superficial limning pronounced consummate "art," when Scott, Balzac, Hawthorne, and so many other writers of fiction, have given such models in picturesque and

THE servant of a Prussian officer one day met

Ir is exceedingly bad husbandry to harrow up this robbing Reynard."

### Well Done and Ill Paid.

FROM DASBUT'S TALBS OF THE MORSE.

Once on a time there was a man who had to drive his sledge to the wood for fuel. So a bear met him.

"Out with your horse," said the bear, " or I'll strike all your sheep dead by summer."

"Oh! heaven help me then," said the man; there's not a stick of fire wood in the house; you must let me drive home a load of fuel, else we shall be frozen to death. I'll bring the horse to you to morrow morning."

Yes! on these terms he might drive the wood home, that was a bargain; but Bruin said "if he didn't come back, he should lose all his sheep by summer."

So the man got the wood on the sledge and rattled homewards, but he wasn't over pleased at the bargain you may fancy. So just then a fox met him.

"Why, what's the matter?" said the Fox; why are you so down in the mouth?"

"Oh, if you want to know," said the man, "I met a bear up yonder in the wood, and I had to give my word to him to bring Dobbin back to-morrow, at this very hour; for if he didn't get him, he said he would tear all my sheep to death by summer."

"Stuff, nothing worse than that," said the Fox; "if you'll give me your fattest wether, I'll soon set you free; see if I don't."

Yes! the man gave his word, and swore he would keep it too.

"Well, when you come with Dobbin to-morrow for the bear," said the fox, " I'll make a clatter among that heap of stones yonder, and so when the bear asks what that noise is, you must say 'tis Peter the Marksman, who is the best shot in the world; and after that you must help yourself."

Next day off set the man, and when he met the bear, something began to make a clatter up in the heap of stones.

Hist! what's that?" said the hear

"Oh! that's Peter the marksman, to be sure," said the man; "he's the best shot in the world. I know him by his voice."

"Have you seen any bears about here, Eric?" shouted out a voice in the wood.

"Say no!" said the bear.

" No. I havn't seen any," said Eric. "What's that then, that stands alongside your sledge?" bawled out the voice in the

"Say it's an old fir stump," said the bear. " Oh, its only an old fir-stump," said the

Such fir stumps we take in our country and roll them on our sledges," bawled out the voice; "if you can't do it yourself, I'll come and help you."

"Say you can help yourself, and roll me up on the sledge," said the bear.

"No, thank ye, I can help myself well enough," said the man, and he rolled the bear on to the sledge.

" Such fir stumps we always bind fast on our sledges in our part of the world," bawled out the voice; "shall I come and help you?" " Say you can help yourself, and bind me

fast, do," said the bear. "No, thanks, I can help myself well enough," said the man, who set to binding

bruin fast with all the ropes he had, so that "Such fir-stumps we always drive our axes

going down the hill," "Pretend to drive your axe into me, do

now," said the bear.

lay dead in a trice; and so the man and

" I've no mind to go right home with you, for I can't say I like your tykes; so I'll just wait here, and you can bring the wether to me, but mind and pick out one nice and fat."

Yes! the man would be sure to do that. and thanked the fox much for his help. So when he had put up Dobbin, he went across to the sheep-stall.

"Whither away, now?" asked his old dame. "Oh!" said the man, "I'm only going to the sheep stall to fetch a fat sheep for that gave him my word I would."

"Wether, indeed," said the old dame; "never a one shall that thief of a fox get. Haven't we got Dobbin safe, and the bear into the bargain; and as for the fox, I'll be bound, he's stolen more of our geese than the wether and honorable employment; female book crony, who inquired how he got along with his is worth; and even if he hasn't stolen them, keepers are found in numerous business eaters, "Oh, excellently," answered the he will. No, no; take a brace of your swifttablishments, and on every hand women are morning we beat each other's coats. He takeshis off to be beaten, and I keep mine on."

servant; "we live on very friendly terms—every est hounds in a sack, and slip them loose afmorning we beat each other's coats. He takeshis off to be beaten, and I keep mine on."

Well, the man thought that good advice;

so he took two fleet red hounds, put them into a sack, and set off with them.

"Have you brought the wether?" said the

"Yes, come and take it," said the man, as he untied the sack and let slip the hounds.

"HUF," said the fox, and gave a great spring; "true it is what the old saw says, Well done is often ill paid; and now, too, I see the truth of another saying, 'The worst foes are those of one's own house." That was what the fox said as he ran off, and saw the red foxy hounds at his heels.

#### The Two Rules, and How they Work.

"Here are two rules for you, Fred," said Giles Warner, looking up from the paper he was reading, and addressing a younger brother, who was sitting by the stove, playing with favorite dog.

"Well, what are they?-let's have them," said Fred, suspending his sport with the dog. "The first is, Never get vexed with anything you can help. The second is, Never get vexed at anything you can't help."

"Are not these rules as applicable to you as to me?" inquired Fred, archly.

"No doubt of that," replied Giles, good humoredly; "but then it is so much easier to hand over a piece of good advice to another than to keep it for one's own personal use .-It is a kind of generosity that don't require any self-denial." Fred laughed.

"But what say you," continued Giles, " to these rules? How would it work if we should adopt them?"

"I think they take a pretty wide and clean sweep," said Fred. "They don't leave a fellow any chance at all to get vexed."

"That might be an objection to them?" said Giles, "if any one was wiser, better, or happier for getting vexed. I think they are sensible rules. It is foolish to vex ourselves about anything that can be helped, and it is useless to vex ourselves about what can't be helped. Let us assist each other to remember and obey these two simple rules. What say you?"

"I'll agree to it," said Fred, who was usually ready to agree to any thing his brother said if it was only proposed good-humoredly.

"That's too bad!" exclaimed Fred the next morning, while making preparations for school.

"What is the matter?" inquired Giles.

"I have broken my shoe-string, and it is

vexatious: I'm in such a hurry." "It is vexatious, no doubt," replied Giles. "but you must not get vexed; for this is one of the things that can be helped. You can find a string in the left corner of the up

per drawer of mother's bureau." "But we shall be late at school," said Fred. "No, we shan't," said Giles. "We shall put it in much sooner than you can if you become vexed and worried."

"That's true," said Fred, as he started for the string, quite restored to good humor. Several opportunities occured during the

rules. The last was this: In the evening, Giles broke the blade of

his knife, while whittling a hard piece of

"It can't be helped," said Fred, "so you must not get vexed about it."

"but I can do better than to fret about it. I cision. Is this taught, or have we this readiwhich may some day save a knife more valuable than this. The rules work well. Let's tinction in the whole right side of the body, try them to-morrow."

The next morning Fred devoted an hour before school to writing a composition. After he had written half a dozen lines, his mother called him off to do something for her. During his absence, his sister Lucy made use of any time be ascertained by measurement, or his pen and ink to write her name in a school the testimony of the tailor or shoemaker; book. In doing this, she carelessly let fall a drop of ink on the page he was writing .-Fred returned while she was busily employed right hand; but the peculiarity extends to the in doing what she could to repair the mis

shoulder.

it," said Lucy.

swered his sister very roughly if Giles had avoid awkwardness in the public exhibition; Prince, or an American citizen, which is better." not interposed.

done, and can't be helped."

Fred tried hard to suppress his vexation.-"I know it was an accident," he said pleasantly, after a brief struggle with himself.

Lucy left the room, and Fred sat down again to his composition. After a moment, as in the right, and that a greater push is two weeks, then take them out, smoke them a week he looked up. "No great harm has been made with it. From the peculiar form of or more to suit the fancy.

done, after all," he said. "Two or three alterations are much needed, and if I write it

over again, I can make them." "So much for a cool head and not getting vexed," said Giles, laughing. "Our rules No boy hops upon his left foot unless he be work well."

At night, Fred tore his pants while climbing over a fence. "That's too bad," said he. "It can't be helped," said G les; "they can

be mended." "The way to help it is what troubles me." said Fred. "I don't like to ask mother, she

has so much to do." Giles proposed that Fred should get over his difficulty by asking Lucy to do the job for him, as her mother had learned her to mend very neatly. Fred was not at first disposed to adopt this measure. He knew that Lucy disliked mending very much, and was afraid she would be cross, if asked to do it; but he at last decided to run the risk of that. They found Lucy busily employed with a piece of embroidery, and quite absorbed with her work. Fred looked significantly at Giles when he saw how his sister was occupied; but he concluded he had gone too far to retreat and must make a bold push.

"I wish to ask a great favor of you, Lucy," said Fred; "but I fear I have come in the wrong time."

"What do you want?" asked Lucy.

"I am almost afraid to tell you. It's too bad to ask you to do what I know you dislike."

"You are a good while at getting to what is wanted," said Lucy, laughing. "Come, out with it.

Fred, thus encouraged, held up his foot and displayed the rent.

"We'l, take them off, I will do my best," said Lucy, cheerfully.

"You are a dear, good sister," said Fred. When I saw what you was about, I thought you would not be willing to do it."

"My uncommon amiability quite puzzles you, does it?" said Lucy, laughing. "I shall have to let you into the secret. To tell the truth, I have been thinking all day what I could do for you in return for your not getting vexed with me for blotting your composition. So now you have it."

So much for our rules," exclaimed Giles triumphantly. "They work to a charm." "What rules?" inquired Lucy.

"We must tell Lucy all about it," said Giles. They did tell her all about it, and the result was, that she agreed to join them it try-ing the new rules."—Merry's Museum.

#### Right and Left-Handedness.

The question has been much discussed among anatomists, whether the properties of the right hand, in comparison with those of the left, depend on the course of the arteries only have to walk a little faster. Besides, if to it. It is affirmed that the trunk of the you keep cool, you will find the string, and artery going to the right arm passes off from the heart, so as to admit the blood directly and more forcibly into the small vessels of the arm. This is assigning a cause which is unequal to the effect, and presenting altogether too confined a view of the subject; day for putting in practice the newly-adopted it is a participation in the common error of seeking in the mechanism the cause of phenomena which have a deeper source.

For the conveniences of life, and to make us prompt and dexterous, it is pretty evident that there ought to be no hesitation which hand is to be used, or which foot is to be put "It might have been helped," said Giles, forward; nor is there, in fact any such indeserved, at the same time, that there is a disand that the left side is not only the weaker, in regard to muscular strength, but also in its vital or constitutional properties. The developement of the organs of action and motion is greatest upon the right side, as may at certainly, this superiority may be said to result from the more frequent exertion of the constitution also, and disease attacks the left extremities more frequently than the "You have made a great blot on my com- right. In opera-dances, we may see that the position," he exclaimed looking over her most difficult feats are preformed by the right foot. But their preparatory exercises betfoot. But their preparatory exercises bet-"I am very sorry. I did not mean to do ter evince the natural weakness of the left them and smoke. You may leave them hanging limb, since these performers are made to in the smoke-house or other cool place where the Fred was so vexed that he would have angive double practice to this limb, in order to
safe from all insects, and will be a dish fit for a for if these exercises be neglected, an un-"Take care, Fred; you know the thing is graceful performance will be given to the England, and pronounced by those who have tried right side. In walking behind a person, it is it to be unequalled: For hams, take 2 ounces of very seldom that we see an equalized motion although and about 8 pints of fine sait. If the hams have of the body; and if we look to the left foot, been pickled the salt will not be needed; pound we shall find that the tread is not so firm up- the saltpetre and then put the ingredients together, Lucy left the room, and Fred sat down on it, that the toe is not so much turned out them every day. Let them remain in the pickle, turning them every day. Let them remain in the pickle.

woman, and the elasticity of her step resulting more from the motion of the ankle than

of the haunches, the defect of the left foot, when it exists, is more apparent in her gait, left-handed. The horseman puts his left foot in the stirrup, and springs from the right.

We think that we may conclude that everything being adapted, in the conveniences of life, to the right hand-as, for example, the direction of the worm of the screw, or of the cutting end of the auger-is not arbitary, but is related to a natural endowment of the body. He who is left-handed is most sensible to the advantages of this adaptation, from the opening of a parlor door to the opening of a penknife. On the whole, the preference of the right hand is not the effect of habit, but is a natural provision, and is bestowed for a very obvious purpose; and the property does not depend on the peculiar distribution of the arteries of the arm, but the preference is given to the right foot as well as to the right hand.—Sir Charles Bell's Bridgewater Treatise.

#### Household Varieties.

How to Pronounce "Ough."-The ending sylla ble "ough," which is such a terror to foreigners is shown up in its several pronunciations in th

> Wife, make me some dumplings of dough Wife, make me some damplings of dough.
> They're better than meat for my cough;
> Pray, let them be belied till hot through,
> But not till they're heavy or tough.
> Now, I must be off to my plough,
> And the boys (when they're had enough)
> Must keep the flies off with a bough,
> While the old mare drinks at the trough.

Loved and Gone.-What little things serve t emind us of the loved and lost! A vacant chair pair of little shoes; a single stocking, or a child's plaything, have stories, all of them, and make the heart grow soft with sorrow. A mother, whose little boy is dead, says: "Out of door the children are being happy with their aleds, and how they rejoice that winter is here! In the wood hangs my little boy's sled; though he will not need it any more. I thought, as I looked at it, how he was wishing for the snew; and now it has come he has gone." Sacred is the little sled now. Every time she looks at it she thinks of her It is a reminder of the little one that died, hanging up by a string, just as he left it; it is something left behind to keep his memory green. A strange pleasure, that she was blessed with h presence once, and sorrow that he has gone, mindream, and the present a sad reality; but the future is bright with hope.

Necespapers in the Family.—Show us an intelligent family of boys and girls, and we will show you a family where newspapers and periodicals are plentiful. Nobedy who has been without these allent private tuters can know their educating power for good or eril. Have you never thought of the innumerable topics of discussion which they suggest at the breakfast table, the inportant public measures with which, thus early, or child-ren become familiarly acquainted—great hilanthropic questions of the day, to which unconsiously their attention is awakened, and the general spirit of intelligence which is evoked by hear quiet visitors? Anything that makes home peas ant, cheerful and chatty, thins the haunts of vice and the thousand and one avenues of temptation should certainly be regarded, when we consider its influence on the minds of the young, as a great

moral and social blessing.—Emerson.
Our Children.—Our children are to fill our place in scelety—in church and state, and the manner in which they will fill them depends upon the manner in which we educate them. If we train them in the Sabbath-school, for God and his enurch, they will amply repay us for all our care; but if they are trained up for the world—in the streets—in the gambling and tippling saloon—in Sabbath-breaking, profanity, iloentiousness and intemperance—in idleness—in sin, they will dis-honor our names, and repay us by-and-by with a vengeance?

A MAN is the healthiest and happiest when he thinks the least of health or happiness. To forget an ill is half the battle; it leaves easy work

We care not how imaginative a man may be, let him eat two pickled pigs feet, and he will feel as inanimate as a sack of coals. What we often think is mind, is half the time gristle.

#### Household Recipes.

Two Ways of Curing Hams.

A correspondent of the Cincinnati Gazette says, "To a cask of hams, say from 25 to 30, after hav-ing packed them closely and sprinkled them slightly with salt. I let them lie thus for three or four days; then make a brine sufficient to cover them, by putting salt into clear water, making it strong enough to bear up a sound egg or potato. I then add | lb saltpetre, and a gallon of mo let them lie in this brine for six weeks—they ar then exactly right. I then take them up and let them drain; then, while damp, rub the fle and the end of the leg with finely pulverized black, red or Cayenne pepper; let it be as fine as

The following recipe for curing hams is from

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#### THE MARKETS.

Flour and Meal.

The utter stagnation that followed the close of navi-gation is just beginning to clear away, and, aided by the perk trade, the week closes with a fair business activity. Grain dealers and speculators, now that shipping has ecseed, have turned their attention to the laying in of ceased, have turned their attention to the laying in of stock to sell in the spring, when high prices as usual are expected to prevail. Consequently, there is to-day a better market for all grains than at the close of last week. Prices are not materially higher, but the demand is better, which amounts to the same thing—Flour alone is without improvement. The roads during the week have been in good condition, and immense quantities of produce are coming in by wagons, chiefly dressed meats, however. dressed meats, however.

Flour-Held firmly, but without much activity at \$4 7544 87% for red wheat brands, and \$5a5 12% for white. Buckwheat flour is worth \$2 25 per cwt.

Mill feed—Scarce and in good demand at \$16 per ton or bran, and \$18a20 for middlings. No trade in corn

Wheat-Receipts very light and trade confined to th white. There is a steady demand at these figures.

Corn—Quiet, but firm at 50a55c, our last week's quota

Oats—In active demand at 36c. Considerable quanti-ties have been sold at this figure for storing for shipping

ost nominal at 65c per bu.

Barley—Maltsters are steadily prosecuting their business, buying only as fast as they use. The price of good barley is steady at the average of \$1.37% per cwt.

Beans—Common are dull at any price. Prime navy are quoted at 75c per bu.

Apples—Worth \$2 per barrel and plenty. Dried sell \$1 50 per ba. toes-Dull, but steady at 25a30c per bu for all va

Provisions.

It is now generally conceded that the hog crop this year will be a short one, and henceforth throughout the season the present high prices may be expected to continue. This at least is the feeling both at Oincinnati and Chicago, where the markets are, and have been, excited and buoyant. Here in Detroit the hog market has been very steady, neither advancing nor declining with the rapidity it has elsewhere. During the past week, there have been numerous buyers for the east, and these coming in competition with packers have kept the market in a healthy state of excitement. The receipts have been quite large, numbering say 1,500 head per day. Of these two-thirds have arrived by wagons. The hogs offering are not generally as heavy as could be wished, and the fact of there being so large a proportion of light ones, has induced buyers to take those of weights that they would refuse under other circumstances. The market has ruled firm, and in sellers' favor all the week, and closes buoyant at \$5.75.5.87% for hogs weighing 200 lbs, and \$6 for those averaging 220 lbs and upwards.—Nothing brings below \$5.00, and on some occanions competition has even caused \$6.25 to be paid for choice lots.

Mess pork—Firm at \$16, with an upward tendency.

Lard—Steady at 11c by the barrel, or 11% in kegs.

Beef—Packed beef is nominal [at former quotations—\$20.60.

Tallow—Steady at 10c.

Hides—Green 4½c, dry 10a12½c; sheep pelts \$1a1 25 ach—market active. Butter—Steady at 14a17c for firkin and roll. Eggs—Scarce and firm at 16c.

Live\_Stock, T&c.

Market quiet and unchanged. Cattle are in moderate demand for city trade at \$833 25 per ewt: The latter is the outside figure for very fine. Hogs are in active demand and readily bring \$4564 62% gross weight. That is for fat hogs. Sheep are very quiet and trade light.—Quotations entirely unchanged.

ALBANY CATHLE MARKET, DEC 12.

Judging from the sales made thus far, prices are about as good as last week—perhaps a shade better on one or two of the lower grades. We make but little alteration

First quality 5 65%
First quality 44644
Second do 3644
Third do 3644
Inferior. 22%
Sheep—About 4,000 head have changed hands at prices varying from \$2.75 to 5.75.
One drever sold some 76 head to an eastern buyer at \$7 per head, about 5%c per D. This was a very fine bunch, averaging 185 Ds.

wing to the favorable weather, the d mand is the active, but transactions are somewhat retarded because of the fact that some of the drevers, as soon as their hogs were put in the pens, commenced feeding or "stuffing" them. During the day about 800 head changed hands at 5%45%c—averaging about 250 lbs. One lot, a little heavier, brought \$5.60 per 190 lbs. A few shoats sold for 43c per lb. NEW YORK LIVE STOCK MARKET.

Demand for beef cattle unusually active at full price y in the week.

First quality.

Ordinary

Common

74@ 84

Receipts

7,000

can buy good bullocks at \$0 Per head less than yester-day, and upon better terms, taking quality and price and estimated weight into account, than they have been able to do in many weeks. To add to the trouble, a smart snow storm set in about 10 o'clock; and as there were very few buyers in the yards, the most of the salesmen crowded into the hotels and restaurants, and took to esting, drinking and smoking, for consolation.

"As the day wore on, the weather became more fayorable, but it seemed impossible for the salesmen to find buyers at any reasonable price for all the cattle. Apparently several hundred must be left over unsold, unless owners submit to cruel leases."

Swine—Steady demand at price

Steady demand at prices ranging from 54.-

Wool.

The state of the wool market promises well for the next clip, and prices are expected to rule high. During the week a city buyer has taken 9,000 lbs of wool at 45c, and we hear of an offer at 48c for another lot of fleece which was refused.

THESH SHAKER SEEDS, of LAST YEARS growth and warranted. Also, Spring Wheat, Sweet Postatoes of several kinds, King Philip, Flour, Dutton, Right Rowed and Sweet Corn, Timothy, Clover, Barley Peas, &c., at PENFIELD'S, 103 Weedward Ave. Detroit

#### BEE-HIVES!

IN 1854 I published in the "Farmer's Companion," an I account of the new and important invention of Rev. L. L. Langstroth, of what he termed a "Housde-comb Bee-Hive." The subject of bee culture had always been one of no small importance in my view, and for the last ten years I have watched with great interest the progress of Bee-culture both in Germany and this country. Since the announcement of Mr. Langstroth's invention I have been watching it closely, untill I am well satisfied, from a full trial, that tits the most important step ever made in bee-keeping. And after ascertaining that it was no humbug, but that it was truly a great improvement on the old mode of keeping bees, I purchased the right and title to Branch and St. Joseph counties, Mich., and now offer individual rights in those counties. If after a fair trial the hive does not prove satisfactory, I agree to return the price paid and take the hive back; thus avoiding all risk on the part of the purchaser.

All other movable frame hives are infringements on the Langstroth Patsart, and preparations are now being made to procedute all such impositions on the public.

Address me at Bur Ock. [47 2m] CHAS. BETTS.

#### WOOL! WOOL!!

30,000 POUNDS OF WOOL WANTED

A TOSHORN'S FACTORY in exchange for good substantial cloth such as DOESKIN, CASSIMERE, BLACK, BROWN and GRAY CASSIMERE, SATINETT, TWEEDS, WHITEARD RED FLANNEL, also STOCKING YARN, all of which were made expressly for durability. We will exchange for wool on homest reasonable terms, also wool manufactured on shares, or by the yard, also wool carded, and spun, and twisted at our usual rates. All those in want of a good article of cloth for their own use, will do well to send their wool to Osborn's Factory. All work warranted well done and done to order. All wool sent to Ann Arber by Rail Road will be promptly attended to. For further particulars please address at Ann Arbor, 28-6m\*

#### PEAR SEED! PEAR SEED FRESH AND OF SUPERIOR QUALITY.

ALSO,
FRISH AFFLE SEED, 40 cts per quart, \$7,00 per bush.
BLACK MAZZARD CHEREY PTR, 50c #2t, \$10 #2 bus.
AFELOOT PTR, 50 cents per quart.
STRAWERRY BEED (12 varieties) \$2 per cz.
QUINCE SEED, \$8 per fb.
WETMOUTH PINE SEED, \$5 per fb.
HONEY LOCUST do 75 cts per fb.
YELLOW do do 75 cts per fb.
BALSAM FIR SEED, \$5 per fb.
BALSAM FIR SEED, \$5 per fb.
Together with the choicest and most extensive collection of Garden, Field, Flower, Tree and Shrub Seeds a the Union.

37 Our New Catalogue of Vaccanada.

in the Union.

30 Our New Catalogue of Vegetable & Agricultural Sness will be ready by the 1st of January. We will also publish a preliminary Tree and Sneus Sneus Sneus Catalogue on or about the 15th of December.

We are prepared to supply the trade with seeds of the finest stocks in large quantities, at very low rates.

49-48&17 J.M. THORBUEN & CO.,
Growers and Importers of Seeds,
15 John St. New York.

N. B.—Just harvested, a limited supply of genuine Broad Leaf Connecticut Tobacco Seed, at 25c per 62.

#### WALLACE'S WOOLEN FACTORY. BATTLE CREEK, MICH.

THE SUBSCRIBER continues to manufacture wool I into CLOTH, CASSIMERE, TWEEDS and FLANNEL for farmers, either on shares or by the yard.—Terms as reasonable as any other good establishment in the State. Goods warranted perfect, hard twisted, and durable, free from cotton, old rags or flocks.

Farmers if you want a good article of cloth, send on your wool; it may be sent by railroad, with directions, and shall be promptly returned, and warranted to give satisfaction or all damages paid.

A large stock and good variety of cloths, stocking yarn, &c, always on band.

He will pay the highest market price in cash, or cloth at wholesale prices, for any quantity of wool delivered at his factory.

Wool carding and cloth dressing done in the best man wool carding and cloth dressing done in the best man work william wallace.

28-6m Battle Creek, May, 1859.

D. APPLETON & CO.,
46 AND 348 BROAD WAY, N. Y.
Have Just Published,
VOLUME VII.—("Edw—Fue,")
or THE

# NEW AMERICAN

CYCLOPÆDIA: A Popular Dictionary of General Knowledge,

GEORGE RIPLEY AND CHALES A. DANA, sted by a numerous but Select Corps of Writer The object of

THE NEW AMERICAN CYCLOPÆDIA is to exhibit, in a new condensed form, the present sate of human knowledge on every subject of rational inju-

Is to exhibit, in a new condensed form, the present said of human knowledge on every subject of rational injulying in the condense of the cond

NEW AMERICAN CYCLOP ADIA, which, the Publishers do not heaitate to asy will be superior in extent, variety and exactness of information to any similar publication in the English language.

PRICE—In Cloth, \$3; Library style, leather, \$3 50; half morocco, \$4; half Russia, extra, \$4 50.

Five volumes have already been issued, and the remainder will be published as fast as they can be got ready.

ready.
WM. B. HOWE, Agent for Detroit.
Booksellers desiring to act as agents, will please adtress the Publishers.

Horse Fowers, Threshers and

Cleamers:

DITT'S 8 AND 10 HORSE, EMERY'S 1 AND 2
Horse (tread) Powers, Pease's Excelsior Powers,
Corn and Cob Mills, Corn Mills, Leonard Smith's
Smut Machines.

No. 103 Woodward Ave., Detroit,

1859. WINTER ARRANGEMENT. 1860.

#### more than a second of the second second second MICHIGAN SOUTHERN

DETROIT, MONROE and TOLEDO RAIL ROAD.

MOMROE, CHICAGO, TOLEDO, CINCINNATI AND CLEVELAND LINE,

With its connections, forms a Through Route from Detroit to Monroe, Adrian, Chicago, Toledo, Sandusky, Cleveland, Dayton, Hamilton, Oincinnati, Pittsburg, Wheeling, Harrisburg, Philadelphia, Batimore, Washington, Erie, Dunkirk, Baffalo, Albany, New York, Roston Montreal, Quebec, Portland, Rouse's Point and all points interior, in Ohio, Pennsylvania, New York, and the New England States, and all points West and South-West.

ON and after Monday, November 14th, 1859, Passenger Trains will run as follows:
FROM DETROIT, Mail and Express, daily except Sundays, at 9.30 A. M., arriving in Chicago at 10.30 P. M., and Toledo at 12.37 P. M.
Montreal and Chicago Express, daily at 9.20 P. M., arriving in Chicago at 10.30 A. M., and Toledo at 12.15 A. M.
FROM CHICAGO, Mail and Express, daily except Sundays, at 6.00 A. M., arriving in Detroit at 6.00 P. M. Chicago and Montreal Express, daily except Sundays, at 6.00 A. M., arriving in Detroit at 7.00 P. M., arriving in Detroit at 7.00 P. M., arriving in Detroit at 7.00 P. M., chicago and Montreal Express, daily except Sundays, at 8.00 P. M., arriving at Detroit at 6.00 P. M., Chicago and Montreal Express, daily at 4.00 A. M., arriving in Detroit at 7.00 A. M.

CONNECTIONS:

arriving in Detroit at 7.00 A. M.

CONNECTIONS:

Trains from Detroit connect at Adrian with Michigan Southern Main Line for Chicago, with New Albany and Salem Railroad, at the crossing of that line, and at Chicago with all Roads for the Northwest and South.

Connect also at Adrian with Jackson Branch Trains for Jackson.

Connect at Toledo with Dayton and Michigan Road, for Dayton, Hamilton and Chichnati; with the Cleveland and Toledo Road, for Sandusky, Cleveland, Pittaburg, Dunkirk, Buffalo, Albany, Boston and New York; with Wabash Valley Road for Fort Wayne, and points Southwest, and with Air Line Rail Road for Bryan, Kendalville, Ligonier and Geshen.

Trains from Chicago and Toledo connect at Detroit with Grand Trunk Railroad of Sarnia, Toronto, Presscott, Montreal, Quebec, Portland and Boston; with Great Western Railway for Niagara Falls, Buffalo, Albany, New York and Boston, also with Detroit and Milwauke Railway, for Grand Rapids, Grand Haven and intermediate Stations.

FREIGHT TRAINS leave Detroit daily except Sundays at 5.50 A. M., arriving in Toledo at 11.10 A. M., and Chicago via. Adrian at 810 next morning.

Leave Chicago daily except Sundays, at 9.15 A. M., and 3.00 P. M., arriving in Detroit at 9.00 P. M. arriving in Detroit at 9.00 P. M. Trains are run by Chicago time, which is Twenty Minutes allower than Detroit time.

Trains are run by Chicago time, which is Twenty Minutes allower than Detroit time.

The Adrian at 810 pays the sease was a pay other Rail Road route.

oute.

ET No change of cars between Detroit and Chicago.
Baggage checked through to all points East & West.

JNO. D. CAMPRELL.

GENERAL SUP'z, Toledo, Ohio.
L. P. KNIGHT, Agent, Detroit.

7-tf

THE IMPLEMENT FOR GARDENS. THE HAND SCARIFIER.



W Foffer for sale the Hand Scarifier, the most desira-tic and useful implement for gardens, of any that has been invented, and the most perfect labor saver. Raid the testimony of those who have tried it last

Roomestre, Oarland, Co., Mich., Febv., 1859.

Meser. Bloss & Adams:
Fou cannot recommend too highly your Hand Scarifical It is an invaluable machine for cultivating all root cops sown in drills. It works easy, aboy of 13 years old an use it and do more work than five men can with hoes in the same time. It pulverises the surface of the ground and kills all the weeds. I had one the last season and speak from experience. A person having a quarter of an acre of garden to cultivate should not be without one and no farmer or gardener after using one a single hour would be without one for four times its cost.

W. JENNINGS.

M. JENNINGS.

ROCHECTE, OARLAND, Co., MICH., FEBY, 1859.

MESSES. BLOSS & ADAMS:

In answer to your inquiry, "How we like the Hand Scarifier," we reply that we are highly pleased with it.—
It is the greatest labor saving machine for its cost that we have ever used, or seen. For all root crops sown in drills it is invaluable. One man with this machine can do more work in one day than five can with hoes, and do it better. We have used it two seasons and would rather pay twenty dollars for one than do without it.

Yours respectfully, U. ADAMS.

These implements are for sale, by the subscribers at heir their seed store, J. B. BLOSS & CO.

No. 22 Monroe Avenue, Detroit.

#### DRY GOODS AND CARPETS. NALL, DUNCKLEE & CO.

Would invite the attention of the Farmers of Michigan when visiting Detroit, to their extra FALL & WINTER STOCK

> CARPETS. FOREIGN AND DOMESTIC

#### DRY GOODS,

Embracing every variety of
y Silka, Black Silka.
Valencia Robes, Bayadere Stripes,
Laces, Embroideries,
White Goods, Kid Gloves.
Flannels, Tah.

white Goods, Kid Gloves,
palery, Sheetings, Cloths,
Fiannels, Ticks, Printed Lawns
Cambries, Gingham,
Muclin de Laines
Stella Shawls, Broche Shawls
OUR CARPET AND FURNISHING STOCK

Tapeatry Velvet Carpet,
Tapeatry Selvet Carpet,
Tapeatry Brussela do,
Tapeatry Three Ply
Extra Super Ingrain,
Extra Superfine do, Fine Ingrain de,
Cotton and Wool do. Bilk Damask, Worsted do,
Morreens, Druggets, Green Baizes,
Cocca Matting, Plain and Check Matting,
Gilt Shade, Common, do,
Shade Tassels, Cornices,

Window Shades,
Oil Cloths, 3, 6, 12, 18 and 24 foot,
Oil Cloths, 3, 6, 12, 18 and 24 foot,
Live Geese Feathers, Paper Hangings
Which we offer cheap for cash.
NALL, DUNCKLEE & CO.
14-17 No. 74 Woodward Avenue, Detroit.

DURNHARE & Co., Dealers in all kinds of Agri-cultural Implements, Garden and Field Seeds, Sait, Plaster, Coal, Water and Stone Line. Storage and Com-mission. Warehouse near Rail Road depot. Battle Croek, Michigar J. S. STERLING D. B. BURNHAM.

THE

#### GREAT WONDER OF THE NINETEENTH CENTURY,

PROFESSOR WOOD'S HAIR RESTORATIVE.

Says the St. Louis (Mo.) Democrat: Below, we publish a letter to Dr. Wood, of this city, from a gentleman in Maine which speaks glowingly of the superior merits of his hair tonic. Such evidence must have its effect, when coming from a reliable source. If certificates are guarantees of truth, the Dr. needs no encomiums, nor useless puffery from the press:

BATH, MAINE, Jan. 20, 1856. ofessor O. J. Wood & Con

Professor O. J. Wood & Co.,

GENTLEMEN: Having my attention called a few months since to the highly beneficial effects of your hair restorative, I was induced to make application of it upon my own hair, which had become quite gray, probably one-third white; my whiskers were of same character. Some three months since I procured a bottle of your hair restorative and used it. I soon found it was proving what I had wished. I used it about twice a week. I have since procured another bottle, of which I have used some. I can now certify to the world that the gray or white hair has totally disappeared, both on my head and face, and my hair has resumed its natural color, and I believe more soft and glossy than it has been before for twenty-five years. I am now sixty years old; my good, wife at the age of fifty-two, has used with the same effect.

good, wife at the age of fifty-two, has used with the came effect.

The above notice I deem due to you for your valuable discovery. I am assured that whoever will rightly use, as per directions, will not have occasion to contradict my statements. I am a citizen of this city and a resident here for the last fifteen years, and am known to nearly every one here and adjoining towns. Any use you may make of the above, with my name attached is at your service, as I wish to preserve the beauties of nature in others as well as myself. I am, truly, yours,

A. C. RAYMOND.

BALTIMORE, Jan. 23, 1858.

WOOD'S HAIR RESTORATIVE. Professor Wood—Dear Sir: Having had the misfortune to lose the best portion of my hair, from the effects of the yellow fever in New Orleans in 1854, I was induced to make a trial of your preparation, and found it to answer as the very thing needed. My hair is now thick and glossy, and no words can express my obligations to you in giving to the afflicted such a treasure.

FINLEY JOHNSON.

The undersigned, Rev. J. K. Bragg, is a member is regular standing, and pastor of the Orthodox Church a Brookfield, Mass. He is a gentleman of great influence and universally beloved. WM. DYER.

Brookfield, January 12, 1858.

Professor Wood—Dear Sir: Having made trial of your Hair Restorative, it gives me pleasure to say, that its effect has been excellent in removing inflamation, dandruff and a constant tendency to itching with which I have been troubled from my childhood; and has also restored my hair, which was becoming gray, to its original color. I have used no other article with anything like pleasure or profit.

Yours truly,

The Restorative is put up in bottles of 3 sizes, viz: large, medium, and small; the small holds ½ a pint, and retails for one dollar per bottle; the large holds a quart, forty per cent, more in proportion, and retails \$3.

O.d. WOOD & CO. Proprietors, 312 Broadway, New York, (in the great N. Y, Wire Railing Establishment,) and 114 Market St. & Louis, Mo.

And sold by all good Druggists and Fancy Goods Dealers. Brookfield, January 12, 1858.

THE WILLIS' STUMP PULLER

If the most powerful and most economical machine in I use for pulling stumps, and will clear a field in less time than any other invention of a like kind.

Thomby-three stumps have been pulled with this Machines and rights to use and manufacture in any part of Michigan except the counties of Hillsdale, Branch, Wayne, Washtenaw, Jackson, Calhoun, Kalamacoo, Van Buren, Macomb, Genesee, Shiawasse, Saginaw Tassola and St. Clair, which are already sold.

All necessary information as to prices, and mode of using, will be given on application to or to R. F. JOHNSTONE, Editor Michigan Farmer.

The Machines are manufactured at the Detroit Loce-

The Machines are manufactured at the Detroit Loco-motive Works from the best Lake Superior Iron. [3]

### DAINES' AMERICAN DRAIN TILE MAKER.

The Best and Cheapest Tile Machine in the World.

Forty-one first Premiums awarded to it

the World.

Forty-one first Premiums awarded to it at State and County Fairs. First Premium at the National Fair, at Louisville, Ky., 1857.

The TILE MACHINE invented by JOHN DAINES, of Birmingham, Oakland county, Michigan, is new being manufactured in the most the forung manner, and is offered to the farming community as the Complete Invention, and enabling farmers to make their own Tiles, that has yet been put before the Agriculturists of the United States, at a reduced price.

These machines are made of iron, are easily worked, any man being able to manufacture a first rate article after a few hours practice.

They cost delivered in Detroit only \$100. They have two dies, for three and four inch tile; and extra dies to accompany the machine cost \$2,00 each.

These machines will manufacture per day, according to the force employed, from 150 TO 250 RODS of HORESSHOE OR PIPE TILE. The machine weight but 500 pounds, and can be packed and sent to any part of the United States, or to foreign countries, as easily as a plano. With this machine, any farmer who has a fair quality of clay on his farm, can manufacture his own tiles at a cheap rate, and easily save the price of the machine by avoiding the cost of transportation. The machine when in operation, takes up as more room than an ordinary sized kitchen table; it may be worked by two or three men as may be found most convenient and conomical, or a man and two boys can keep it in full operation.

For Simplicity, Durability, Economy, Observation and works, and and the proprietor, set the stable extractes, and put up in any climate.

CATHARTIC PILLS and the whole head in the precision will keep the family Capacitor and the satisfact on different The Family Capacitor of the United States, at a reduced price.

The same long set in the case of the first that a stable extracts, and put up in any climate.

The Family Capacitor of the united States at one of the United States, at a reduced price.

These machines with an addition the family content to the force of the manuf

operation, operation,

Cheapness, the World!

At the present time, when thorough draining has become a necessity on alluvial lands, it offers the simplest and cheapset means of furnishing farmers with a draining material far superior to any other material now used for that purpose.

Applications for these machines may be address JOHN DAINES, ed to

Birmingham, Mich.

J. L. HURD & CO. Produce and Shipping Merchants Agents and Consignees for

AMERICAN TRANSPORTATION COMPANY. CAPITAL \$900,000. WESTERN TRANSPORTATION COMPANY.

CAPITAL \$900,00 AND THE NEW YORK CENTRAL R. R. Co.

We would respectfully announce to the Millers, Merhants and Manufacturers of Michigan, that the recenteduction of Canal Tolls on the Eric Canal, will enable s to carry eastward, from Detroit, FLOUR, WHEAT, CORN, OATS, WOOL, ASHES, HIDES.

And all other products of Michigan, at prices much below those of former years. Our lines are.
THE MODEL LINES OF THE COUNTRY.

J. L. HURD & CO.,

[11] IVY Foot of Second at

WANTED.

ATTHE AMERICAN SEED STORE, 20 Bushels of A Peach Pitts and Plum Pitts, for which Cash will be paid. Detroit, Nov. 19. [47-4w] BLOSS & CO.

#### AYER'S AGUE CURE

FOR THE SPEEDY CURE OF INTERMITTENT FEVER, OR FEVER AND AGUE, REMITTENT FEVER, CHILL FEVER, DUMB AGUE, PERIODICAL HEADACHE, OR BILIOUS HEADACHE, AND BILIOUS FEVERS, INDEED FOR THE WHOLE CLASS OF DISEASES ORIGINATING IN BILIARY DERANGEMENT, CAUS-ED BY THE MALARIA OF MIASMATIC COUN-TRIES.

TRIES.

No one remedy is londer called for by the necessities of the American people than a secure and safe cure for Fever and Ague. Such a remedy we are now enabled to offer, with a perfect certainty that it will eradicate the disease, and with assurance founded on proof, that no harm can arise from its use in any quantity.

That which protects from or prevents this disorder must be of immense service in the communities where it provails. Prevention is better than cure, for the patient escapes the risk which he must run in violent attacks of this baleful distemper. This "Cure" expels the missmatic poison of Favers And Ague from the system and prevents the development of the disease, if taken on the first approach of its premonitory symptoms. It is not only the best remedy ever yet discovered for this class of complaints, but also the cheapest. The large quantity we supply for a dollar brings it within the reach of every body; and in bilious districts, where Favers and Ague frevails, every body should have it and use it freely both for cure and protection. It is hoped this price will place it within the reach of all—the poer as well as the rich. A great superiority of this remedy ever any other ever discovered for the speedy and certain cure of Intermittents is, that it contains no Quinine or mineral, consequently it produces no quinism or other injurious effects whatever upon the constitution. Those cured by it are left as healthy as if they had never had the disease.

Fever and Ague is not slone the consequence of the missmatic poison. A great variety of discovered or the missmatic poison.

cured by it are left as healthy as if they had never had the disease.

Fever and Ague is not slone the consequence of the miasmatic poison. A great variety of disorders arise from its irritation, among which are Neuralgis, Rhemmatism, Gout, Headache, Blindness, Toothache, Earache, Oatarrh, Asthma, Palpitation, Painful Affection of the Spieen, Hysterics, Pain in the Bowels, Colic, Paralysis, and Derangement of the Stomach, all of which, when originating in this cause, put on the intermittent type, or become periodical. This "Cure" expels the poison from the blood, and consequently cures them all alike. It is an invaluable protection to immigrants and persons traveling or temporarily residing in the malarious districts. If taken occasionally or daily while exposed [to the infection, that will be excreted from the system, and cannot accumulate in sufficient quantity to ripen into disease. Hence it is even more valuable for protection than cure, and few will ever suffer from Intermittents, if they avail themselves of the protection this remedy affords.

PRICE ONE DOLLAR PER BOTTLE.

Prepared by Dr. J. C. AYER. PRACTICAL AND ANALYTICAL CHEMIST Lowell, Mass.
All our remedies are for sale by J. S. Farrand, Detroit, and by all Druggists every where.
45-8m

SANFORD'S
LIVER INVIGORATOR.

NEVER DEBILITATES.

Tis compounded entirely from Guine, nown and approved and is now resorted to diseases for which it is with confidence in all the diseases for which it is within the last two years who had given up all merous unsolicited certishow.

merous unsolicited certishow.

The dose must be adaptof the individual taking tities as to act gently on Let the dictates of your the use of the Liver lious Attacks, Dys-Diarrhen, Summer entery, Dropsy, Habitual Costive-lera, Cholera Morfant um, Flatused successfully as am Medicine. It will ACHE, (as thousands minutes, if two or are taken at companitus, if itwo or are itwo or are taken at companitus, if itwo or are itwo or are itwo or are itwo or are itwo or

SANFORD'S CATHARTIC PILLS

COMPOUNDED FROM

The Liver Invigorator and Family Cathartic Pills are retailed by Druggists generally,
and sold wholesale by the Trade in all the large towns.
S. T. W. SANFORD, EL. B.,
Manufacturer and Proprietor,
81-lyr.tf 825 Broadway, New York.

FURNITURE WAREHOUSE,

ON JEFFERSON AVENUE. BELOW MICHIGAN EXCHANGE, DETROIT.

The subscribers keep constantly on hand a large steck Both Modern and Antique Styles; in Rosewood, Mahogany and Domestic Wood.

Those wishing rich and fashionable furniture, will always find a great variety to select from—equal in every respect to anything in the Eastern market. Being in constant receipt of Pattern Pieces from the

FASHIONABLE MAKERS IN NEW YORK, they are enabled to guarantee the most Perfect Satis-faction to their customers.

They also keep constantly on hand a large and complete assortment of Plain Furniture of Mahogany, Cherry and Walnut. In short, every article in the line of Household Furniture will be found in their Stock, including Chairs of every style and rice from four chilical

ding Chairs of every style and price, from four shillings to sixty dollars each. The subscribers now have on hand and make to order, best

HAIR MATTRESSES.

Their customers can rely upon getting a genuine article. CORN-HUSK MATTRESSES & STRAW PALLIASES constantly on hand. For the trade we keep constantly a large stock of Mahogany and Rosewood Vencer.

STEVENS & ZUG.

"HARD TIMES NO MORE."

ANY Lady or Gentleman, in the United States, pos-A sessing from \$2 to \$7 can enter into an easy and re-spectable business, by which from \$5 to \$10 per day can be realized. For particulars, address, (with stamps,

84-3m\*

41 North Sixth st., Philadelphia